

Downloaded from Arrow.com.

### Get the very latest stock source data.

Download the new International Paper Stock Source Guide mobile app.



Now from your smart phone or tablet, you can access the very latest information on all International Paper commercial printing and imaging

papers. You can review and print paper stock options, check available sizes, gain access to dynamic paper calculators, and much more.

New product information is added as soon as it's available. To keep current, simply update the app when notified.



To get started, scan this QR code and download the app today.

You can also get the latest stock source data online in PDF format at **ipstocksourcebook.com**.



#### Introduction

Welcome to the *International Paper Commercial Printing and Imaging Stock Source Book*.

It will guide you through the ever-growing and adapting product offering from five of the most dependable and versatile paper brands in the business.

This new edition features a revamped format that makes it easier than ever to find the information you need on the products you use most. Browse through each section to find more digital choices than ever before, an extensive selection of recycled options, and proof of our rock-solid commitment to environmental sustainability through third-party certification programs.

Keep this handy resource nearby, and always have the paper you need right at your fingertips. If you have questions about any of the new products, delivery schedules, made to order products, paper samples or any other detail not found here, simply contact your International Paper sales representative.

### **Product Guarantee and Certification Key**

#### Guarantee



### **Electronic Imaging Guarantee**

Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines.

We guarantee these products to run on the equipment noted above (except when the finish or basis weight is outside the equipments' recommended specifications), or International Paper will replace the paper or offer a refund up to the total paper purchase.

**99.99**% IAM-FREE

We guarantee you will not experience more than one jam in 10,000 sheets on your highspeed digital equipment or we will replace your paper or refund your purchase price.



Indicates this product has recycled content. The number inside of the arrows indicates the amount of post-consumer fiber content.



Manufactured under alkaline (acid-free) conditions for added archival quality that extends the life of the document.

### Certification



The mark of responsible forestry

FSC® logo indicates this product is certified and meets the standards set by the Forest Stewardship Council™.

FSC® indicates Forest Stewardship Council® (FSC®) certified.



SFI® logo indicates this product is certified and meets the standards set by the Sustainable Forestry Initiative®.

SFI® indicates Sustainable Forestry Initiative® (SFI®) certified.

Certified for **HP Indigo** 

This logo indicates this product is certified for use on HP® Indigo® presses.



Manufactured with ColorLok® Technology for brighter, more vivid color reproduction, richer, bolder blacks, and faster drying for less smearing.

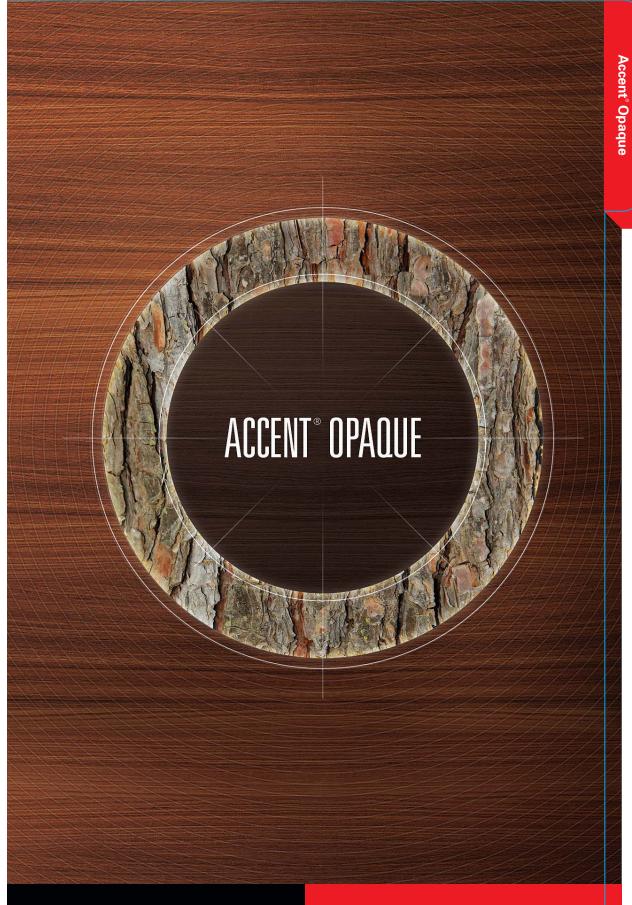
Accent® Opaque	Page
Accent® Opaque Quick Reference Guide	2-3
Accent® Opaque Digital Text and Cover	4-8
Accent® Opaque Text	9-13
Accent® Opaque Cover	14-16
Accent® Opaque Digital RE-30 Text and Cover	17-18
Accent® Opaque RE-30 Text and Cover	19-20
Carolina <sup>®</sup> Coated Cover	Page
Carolina® Coated Cover Quick Reference Guide	22
Carolina® Digital C2S Cover	
Carolina® C2S Cover	
Carolina® Digital C1S Cover	28-29
Carolina® C1S Cover	30-31
Carolina® C1S Ultra Light 94 and Ultra Light 88 Cover	32-34
Carolina® C1S Blanks – Low Density	35-36
Carolina® C2S Web Cover	37
Carolina® Envirocote® C1S Cover	38
Carolina® Envirocote® C2S Cover	39

Hammermill®	Page
Hammermill® Quick Reference Guide	42-43
Hammermill® Color Copy Digital Text and Cover	
Hammermill® Laser Print	
Hammermill® Bond	48-49
Hammermill® Premium Inkjet and Laser	50-51
Hammermill® Inkjet	52-53
Hammermill® Premium Multi-Purpose	54-55
Hammermill® Fore® Multi-Purpose White	56-57
Hammermill® Great White® Recycled 30, 50, 100	58-59
Hammermill® Tidal® MP	60-61
Hammermill® Colors	62-64
Hammermill® Color Laser Gloss	65-66
International Paper Relay™ MP	67-68
Springhill® Opaque Colors	Page
Springhill® Opaque Colors  Springhill® Opaque Colors Quick Reference Guide	
	70
Springhill® Opaque Colors Quick Reference Guide	70 71-73
Springhill® Opaque Colors Quick Reference Guide	70 71-73 74-78
Springhill® Opaque Colors Quick Reference Guide Springhill® Digital Opaque Colors Springhill® Opaque Colors	70 71-73 74-78 79-80
Springhill® Opaque Colors Quick Reference Guide	70 71-73 74-78 79-80
Springhill® Opaque Colors Quick Reference Guide	70 71-73 74-78 79-80
Springhill® Opaque Colors Quick Reference Guide	70 71-73 74-78 79-80 81-82
Springhill® Opaque Colors Quick Reference Guide Springhill® Digital Opaque Colors Springhill® Opaque Colors Springhill® Digital Opaque Cover Springhill® Opaque Cover Springhill® Opaque Cover Springhill® Uncoated Bristols Springhill® Uncoated Bristols Quick Reference Guide	70 71-73 74-78 79-80 81-82  Page
Springhill® Opaque Colors Quick Reference Guide Springhill® Digital Opaque Colors Springhill® Opaque Colors Springhill® Digital Opaque Cover Springhill® Opaque Cover Springhill® Opaque Cover Springhill® Uncoated Bristols Springhill® Uncoated Bristols Quick Reference Guide Springhill® Digital Index	70 71-73 74-78 79-80 81-82  Page 84 85-87
Springhill® Opaque Colors Quick Reference Guide Springhill® Digital Opaque Colors Springhill® Opaque Colors Springhill® Digital Opaque Cover Springhill® Opaque Cover Springhill® Uncoated Bristols  Springhill® Uncoated Bristols Quick Reference Guide Springhill® Digital Index Springhill® Index	70 71-73 74-78 79-80 81-82  Page 84 85-87 88-90
Springhill® Opaque Colors Quick Reference Guide Springhill® Digital Opaque Colors Springhill® Opaque Colors Springhill® Digital Opaque Cover Springhill® Opaque Cover Springhill® Uncoated Bristols  Springhill® Uncoated Bristols Quick Reference Guide Springhill® Digital Index Springhill® Index Springhill® Digital Vellum Bristol Cover	70 71-73 74-78 79-80 81-82  Page 84 85-87 88-90 91-93
Springhill® Opaque Colors Quick Reference Guide Springhill® Digital Opaque Colors Springhill® Opaque Colors Springhill® Digital Opaque Cover Springhill® Opaque Cover Springhill® Uncoated Bristols  Springhill® Uncoated Bristols Quick Reference Guide Springhill® Digital Index Springhill® Index	70 71-73 74-78 79-80 81-82  Page 84 85-87 88-90 91-93 94-96

Williamsburg Papers	Page
Williamsburg Quick Reference Guide Williamsburg Offset PLUS Williamsburg Recycled Offset Williamsburg Return Postcard PLUS Williamsburg Return Postcard	103-104 105-108 109-110 111-112
Digital Portfolio	Page
Digital Portfolio Quick Reference Guide Accent® Opaque Digital Text and Cover Accent® Opaque Digital RE-30 Text and Cover Carolina® Digital C2S Cover Carolina® Digital C1S Cover Hammermill® Color Copy Digital Text and Cover Hammermill® Laser Print Springhill® Digital Opaque Colors Springhill® Digital Opaque Cover Springhill® Digital Index Springhill® Digital Vellum Bristol Cover Williamsburg Offset PLUS Williamsburg Return Postcard PLUS	118-122 123-124 125-126 127-128 129-130 131-132 133-135 136-137 138-140 141-143 144-145
Digital Inkjet	Page
Digital Inkjet Quick Reference Guide  Accent® Opaque Dyemond™  Accent® Opaque with ImageLok® Technology  and ColorPRO Technology	151
Williamsburg Digital Inkjet with ImageLok® Technology and ColorPRO Technology	153

Sales Aids	Page
Order IP®	156
International Paper Sample Center	
International Paper Customer Service Organization	158
Watermarks	158
Definitions	
How to Determine Ream Weights	159
How to Determine Pages Per Inch	159
How to Determine M Weight	160
How to Find the Weight of an Odd Number of Sheets	160
How to Estimate the Weight of a Roll	160
How to Determine the Density of a Sheet	161
How to Find the Linear Footage of a Roll of Paper	161
How to Determine Pieces Per Sheet	161
Price Per Thousand Square Feet	162
Price Per Thousand Sheets	162
Metric System	163
Cutting Chart	164
Temperature Condition Chart	165
Paper Testing	166-168
Standard Paper Sizes	168
Standard Paper Sizes Relationship	169-170
Equivalent Weights	171

Notes:		



Bring your A game with Accent® Opaque.

AccentAGame.com twitter.com/AccentOpaque Text
Cover
Heavyweight
Envelope

Digital Digital Inkjet RE-30

# **Accent® Opaque** Quick Reference Guide

### **Accent® Opaque Digital**

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
White	20/50	74	3.9	120	96	92.0	С	FSC
Smooth	24/60	89	4.7	120	96	93.5	С	FSC
	28/70	104	5.4	120	96	94.5	С	FSC
	32/80	118	6.2	130	96	96.0	С	FSC
	40/100	148	7.6	130	96	97.0	С	FSC
Warm White	24/60	89	4.7	120	_	93.5	С	FSC
Smooth	28/70	104	5.4	120	_	94.5	С	FSC
	32/80	118	6.2	130		96.0	С	FSC
White Super	20/50	74	3.4	60	96	92	С	FSC
Smooth '	24/60	89	4.0	60	96	93.0	С	FSC
	28/70	104	4.8	60	96	94.5	C S	FSC
	32/80	118	5.6	60	96	96.0	C S	FSC
	40/100	148	6.8	60	96	97.0	C S	FSC
White Cover	65	176	8.8	135	96	98.0	С	FSC
Smooth	80	216	10.9	145	96	99.0	С	FSC
	100	271	13.9	155	96	99.0	С	FSC
	120	325	16.0	130	96	99.0	C S	FSC
White	65	176	8.0	80 *[60]	96	98.0	С	FSC
Cover Super	80	216	10.0	80 *[60]	96	99.0	C S	FSC
Smooth	100	271	12.0	60	96	99.0	C S	FSC
Warm White	65	176	8.0	60	_	98.0	С	FSC
Cover Super Smooth	80	216	10.0	60	_	99.0	С	FSC
Jiiluutii	100	271	12.0	60	_	99.0	С	FSC

<sup>\*[60]</sup> indicates 60 smoothness on specific skus

### Accent® Opaque

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
White	40	59	3.1	120	92	89.0	C S R	FSC•ROLLS SFI
Smooth	50	74	3.9	120	96	92.0	CSR	FSC•ROLLS SFI
	60	89	4.7	120	96	93.5	CSR	FSC•ROLLS SFI
	70	104	5.4	120	96	94.5	CSR	FSC•ROLLS SFI
	80	118	6.2	130	96	96.0	C S R	FSC•ROLLS SFI
	100	148	7.6	130	96	97.0	С	FSC
Warm White	60	89	4.7	120	_	93.5	С	FSC
Smooth	70	104	5.4	120	_	94.5	С	FSC
White	50	74	4.3	210	96	92.0	R	FSC•ROLLS SFI
Vellum	60	89	5.1	210	96	93.5	C R	FSC•ROLLS SFI
	70	104	5.9	210	96	94.5	C R	FSC•ROLLS SFI
	80	118	6.8	220	96	96.0	С	FSC

### **Accent® Opaque Cover**

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
White	65	176	8.8	135	96	98.0	С	FSC
Smooth	80	216	10.9	145	96	99.0	С	FSC
	100	271	13.9	155	96	99.0	С	FSC
	120	325	16.0	130	96	99.0	С	FSC
Warm White	65	176	8.8	135	_	98.0	С	FSC
Smooth	80	216	10.9	145	_	99.0	С	FSC
	100	271	13.9	155		99.0	С	FSC
White Super	65	176	8.0	80	96	98.0	С	FSC
Smooth '	80	216	10.0	80	96	99.0	С	FSC
White	65	176	9.6	250	96	98.0	С	FSC
Vellum	80	216	12.0	250	96	99.0	С	FSC

### **Accent® Opaque Digital RE-30**

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Text Smooth	24/60	89	4.7	120	95	93.5	С	FSC

### Accent® Opaque RE-30

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Text	60	89	4.7	120	95	93.5	С	FSC
Smooth	70	104	5.4	120	95	94.5	С	FSC
	80	118	6.2	130	95	96.0	С	FSC
	100	148	7.6	130	95	97.0	С	FSC
Cover	65	176	8.8	135	95	98.0	С	FSC
Smooth	80	216	10.9	145	95	99.0	С	FSC
	100	271	13.9	155	95	99.0	С	FSC

FSC® indicates Forest Stewardship Council® FSC® certified SFI® indicates Sustainable Forestry Initiative® SFI® certified C indicates Cartons

S indicates Skids

R indicates Rolls

### Accent® Opaque Digital Text and Cover

#### Features

- 9 basis weights: (50, 60, 70, 80, 100 lb. Text; 65, 80, 100, 120 lb. Cover)
- Available in short and long grain
- 2 finishes (Smooth and Super Smooth)
- Standard and non-standard cut-sizes
- 2 whites (96 brightness, enhanced whiteness White and Warm White)
- Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines
- HP® Indigo® certified
- Accent Opaque Digital Text and Cover have HP® Indigo® certified 3 star ratings
- Acid-free for added archival quality that extends the life of the document

#### Benefits

- Smooth surface for proper ink holdout
- Excellent opacity for minimal show-through
- High brightness and preferred Blue-White shade provide excellent contrast
- Designed specifically for "Electronic Image Guarantee"

End Uses • Manuals, booklets, short run color, direct mail, financial data, posters, sell sheets, brochures

All Accent Text sheets are now Forest Stewardship Council® (FSC®) certifiedAccent rolls are Sustainable Forestry Initiative® certified



The mark of





**Certified for HP Indigo** 



# Accent® Opaque Digital Text Smooth

# Cartons

#### WHITE

BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
20/50	74	3.9	120	96	92.0	FSC	0%
24/60	89	4.7	120	96	93.5	FSC	0%
28/70	104	5.4	120	96	94.5	FSC	0%
32/80	118	6.2	130	96	96.0	FSC	0%
40/100	148	7.6	130	96	97.0	FSC	0%

Based on 25"x 38" sheet size

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ Pallet	WEIGHT/ PALLET	STOCK CODE
20/50	8.5 x 11	9.84	5,000	40	1,968	109330
	11 x 17	19.68	2,500	40	1,968	109371
	12 x 18	22.72	2,500	32	1,818	188082
24/60	8.5 x 11	11.80	5,000	32	1,890	109355
	8.5 x 11 3-Hole Punched	11.80	5,000	32	1,890	131128
	8.5 x 14	15.02	5,000	24	1,802	188033
	11 x 17	23.62	2,500	32	1,890	109397
	12 x 18	27.28	2,000	32	1,746	188083
	14 x 20	35.36	1,600	36	2,037	188087
28/70	8.5 x 11	13.76	4,000	32	1,761	109363
	8.5 x 11 3-Hole Punched	13.76	4,000	32	1,761	188010
	11 x 17	27.54	2,000	32	1,763	109405
	12 x 18	31.82	2,000	32	2,036	188084
	14 x 20	41.26	1,600	36	2,377	188088
32/80	8.5 x 11	15.74	3,200	32	1,612	188100
	11 x 17	31.48	1,600	32	1,612	188080
	12 x 18	36.36	1,600	32	1,862	188085
	14 x 20	47.14	1,250	30	1,768	188089
40/100	8.5 x 11	19.68	2,500	32	1,574	188101
	11 x 17	39.36	1,250	32	1,574	188081
	12 x 18	45.46	1,250	32	1,818	188086

# Accent® Opaque Digital Text Smooth

Cartons

#### **WARM WHITE**

	BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
	24/60	89	4.7	120	_	93.5	FSC	0%
•	28/70	104	5.4	120	_	94.5	FSC	0%
Ī	32/80	118	6.2	130	_	96.0	FSC	0%

Based on 25"x 38" sheet size

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ Pallet	WEIGHT/ Pallet	STOCK CODE
24/60	8.5 x 11	11.80	5,000	32	1,890	188123
	8.5 x 14	15.02	5,000	24	1,802	188126
	11 x 17	23.62	2,500	32	1,890	188124
	12 x 18	27.28	2,000	32	1,746	188175
28/70	8.5 x 11	13.76	4,000	32	1,761	188176
	8.5 x 14	17.52	4,000	30	2,102	188127
	11 x 17	27.54	2,000	32	1,763	188125
	12 x 18	31.82	2,000	32	2,036	188177
32/80	12 x 18	36.36	1,600	32	1,862	188178

# Accent® Opaque Digital Text Super Smooth

#### WHITE

BASI	S WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
20/	50	74	3.4	60	96	92	FSC	0%
24/	60	89	4.0	60	96	93.0	FSC	0%
28/	70	104	4.8	60	96	94.5	FSC	0%
32/	80	118	5.6	60	96	96.0	FSC	0%
40/1	00	148	6.8	60	96	97.0	FSC	0%

Based on 25"x 38" sheet size

Accent® Opaque Digital Text Super Smooth Ca										
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE				
24/60	12 x 18***	27.28	2,000	32	1,746	189023				
	13 x 19***	31.20	2,000	32	1,997	189033				
28/70	12 x 18***	31.82	1,800	32	1,833	189024				
	13 x 19***	36.40	1,800	32	2,097	189034				
32/80	12 x 18***	36.36	1,500	32	1,745	189025				
	13 x 19***	41.60	1,500	32	1,997	189035				
40/100	12 x 18***	45.46	1,250	32	1,818	189026				
	13 x 19***	52.00	1,250	32	2,080	189036				

<sup>\*\*\*</sup>Indicates this sku is HP® Indigo® 3 star rated

Accent® Opaque Digital Text Super Smooth									
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE				
20/50	29.5 x 20.8125	65	9,500	618	191145				
24/60	29.5 x 20.8125	78	8,500	663	191146				
28/70	29.5 x 20.8125	90	6,800	612	191147				
32/80	29.5 x 20.8125	103	5,800	597	191148				
40/100	29.5 x 20.8125	129	4,800	619	191149				

Max skid height of 39"

# Accent® Opaque Digital Cover Smooth

#### WHITE

	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
	65	176	8.8	135	96	98.0	FSC	0%
	80	216	10.9	145	96	99.0	FSC	0%
	100	271	13.9	155	96	99.0	FSC	0%
	120	325	16.0	130	96	99.0	FSC	0%

Based on 20"x 26" sheet size

Accent	°Opaque Diç	gital Cove	<b>r</b> Smooth			Cartons
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE
65	8.5 x 11	23.36	2,500	32	1,870	188560
	17 x 11	46.74	1,250	32	1,870	188570
	18 x 12	54.00	1,250	32	2,160	188094
80	8.5 x 11	28.76	2,000	32	1,841	131482
	17 x 11	57.52	1,000	32	1,841	188092
	18 x 12	66.46	1,000	32	2,127	188095
	19 x 13	76.00	800	32	1,946	188070
	20 x 14	86.14	800	30	2,067	188099
100	8.5 x 11	35.96	1,600	32	1,841	188091
	17 x 11	71.92	800	32	1,841	188093
	18 x 12	83.06	800	32	2,126	188096
	19 x 13	95.00	600	32	1,824	188072
	20 X 14	107.68	600	30	1,938	188098
	20 x 26	200	800	14	2,240	188136
120	8.5 x 11	43.14	1,200	32	1,657	188179
	18 x 12***	99.68	500	32	1,595	189030
	19 x 13***	114.00	500	32	1,824	189040

<sup>\*\*\*</sup>Indicates this sku is HP® Indigo® 3 star rated

Accent® Opaque Digital Cover Smooth							
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE		
120	20.8125 x 29.5	283	2,000	566	191160		

Max skid height of 39'

# Accent® Opaque Digital Cover Super Smooth

#### WHITE

	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
Ī	65	176	8.0	80 *[60]	96	98.0	FSC	0%
	80	216	10.0	80 *[60]	96	99.0	FSC	0%
ı	100	271	12.0	60	96	99.0	FSC	0%

Based on 20"x 26" sheet size

<sup>\*[60]</sup> indicates 60 smoothness on specific skus

Accent	°Opaque Dig	gital Cove	<b>r</b> Super S	mooth		Carton
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ Pallet	WEIGHT/ PALLET	STOCK CODE
65	8.5 x 11	23.36	2,500	40	2,336	121939
	11 x 17	46.74	1,250	40	2,337	121954
	18 x 12***	54.00	1,000	32	1,728	189027
80	8.5 x 11	28.76	2,000	40	2,301	121947
	11 x 17	57.52	1,000	40	2,301	121962
	18 x 12***	66.46	800	32	1,701	189028
	19 x 13***	76.00	800	32	1,946	189038
100	18 x 12***	83.06	700	32	1,861	189029
	19 x 13***	95.00	700	32	2,128	189039

<sup>\*\*\*</sup>Indicates this sku is HP® Indigo® 3 star rated

Accent® Opaque Digital Cover Super Smooth									
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE				
80	20.8125 x 29.5	189	3,250	614	191162				
100	20.8125 x 29.5	236	2,750	649	191161				

Max skid height of 39"

# Accent® Opaque Digital Cover Super Smooth Cartons

#### **WARM WHITE**

BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
65	176	8.0	60	_	98.0	FSC	0%
80	216	10.0	60	_	99.0	FSC	0%
100	271	12.0	60	_	99.0	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ Pallet	STOCK CODE
65	8.5 x 11	23.36	2,500	40	2,336	121972
80	8.5 x 11	28.76	2,000	40	2,301	121978
100	18 x 12	83.06	700	32	1,861	121918
	19 x 13	95.00	700	32	2,128	121919

### **Accent® Opaque Text**

#### **Features**

- 6 basis weights (40, 50, 60, 70, 80, 100 lb.)
- 2 finishes (Smooth, Vellum)
- 2 whites (96 brightness, enhanced whiteness White and Warm White)
- Coordinates with Accent Opaque Cover
- Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines (except 40 lb. Text)
- 10-30% recycled Accent Opaque available on a making basis
- All Accent Text sheets are now FSC® certified
- Acid-free for added archival quality that extends the life of the document

#### **Benefits**

- Smooth, level printing surface for proper ink holdout and quick drying
- Excellent opacity for minimal show-through
- Smooth finish for good ink holdout especially on halftones and duotones, and Vellum for when the job calls for a more velvety finish
- High brightness and preferred Blue-White shade provide excellent print contrast
- Maximum height of 45" for press ready skids

#### **End Uses**

 Catalogs, equipment manuals, product warranties, advertising flyers, brochures, direct mail, invoice stuffers, financial printing, reports, insurance policies, other legal documents

All Accent Text sheets are now Forest Stewardship Council® (FSC®) certified Accent rolls are Sustainable Forestry Initiative® certified









The mark of responsible forestry

# Accent® Opaque Text White Smooth

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
40	59	3.1	120	92	89.0	FSC • Rolls SFI	0%
50	74	3.9	120	96	92.0	FSC • Rolls SFI	0%
60	89	4.7	120	96	93.5	FSC • Rolls SFI	0%
70	104	5.4	120	96	94.5	FSC • Rolls SFI	0%
80	118	6.2	130	96	96.0	FSC • Rolls SFI	0%
100	148	7.6	130	96	97.0	FSC • Rolls SFI	0%

Accent	°Opaque Te	<b>xt</b> White S	mooth			Cartons
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE
40	23 x 29 <sup>†</sup>	56	2,600	12	1,747	164012
	23 x 35 <sup>†</sup>	68	2,200	12	1,795	164129
	25 x 38 <sup>†</sup>	80	2,000	14	2,240	164244
50	17.5 x 22.5	41	3,600	16	2,362	164038
	19 x 25	50	3,200	16	2,560	164020
	23 x 35	85	1,800	16	2,448	164152
	25 x 38	100	1,600	14	2,240	164277
60	17.5 x 22.5	50	3,200	14	2,240	164061
	19 x 25	60	2,400	16	2,304	164053
	23 x 29	84	1,800	12	1,814	164079
	23 x 35	102	1,500	16	2,448	164186
	25 x 38	120	1,200	16	2,304	164301
	28 x 40	142	900	18	2,300	131151
70	17.5 x 22.5	58	2,400	16	2,227	164095
	19 x 25	70	2,400	14	2,352	188047
	23 x 29	98	1,600	12	1,882	164103
	23 x 35	119	1,200	14	1,999	164210
	25 x 38	140	1,000	18	2,520	164335
	28 x 40	166	800	18	2,390	131193
80	19 x 25	80	2,000	14	2,240	188059
	23 x 35	136	1,100	16	2,394	164350
	25 x 38	160	1,000	16	2,560	164442
	28 x 40	188	800	14	2,106	188060
100	23 x 35	169	900	14	2,135	164351
	25 x 38	200	800	14	2,240	164443
	28 x 40	236	600	14	1,982	164444

 $<sup>^{\</sup>dagger}$ 40 lb. items not guaranteed for electronic imaging

Accent	°Opaque Text	White Smooth	າ		Skids
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
40	23 x 35 <sup>†</sup>	68	12,500	850	170051
	25 x 38 <sup>†</sup>	80	12,500	1,000	170052
	28 x 40 <sup>†</sup>	94	12,500	1,175	170053
50	17.5 x 22.5*	41	20,000	820	170054
	19 x 25*	50	20,000	1,000	170055
	23 x 35	85	10,000	850	170056
	25 x 38	100	10,000	1,000	170057
	28 x 40	118	10,000	1,180	170058
60	17.5 x 22.5*	50	17,000	850	170059
	19 x 25*	60	17,000	1,020	170060
	23 x 35	102	8,500	867	170061
	25 x 38	120	8,500	1,020	170062
	28 x 40	142	8,500	1,207	170063
70	17.5 x 22.5*	58	15,000	870	170064
	19 x 25*	70	15,000	1,050	170065
	23 x 35	119	7,500	893	170066
	25 x 38	140	7,500	1,050	170067
	28 x 40	166	7,500	1,245	170068
80	23 x 35	136	6,500	884	170069
	25 x 38	160	6,500	1,040	170070
	28 x 40	188	6,500	1,222	170071

<sup>\*</sup>All press ready skids are 1 tier, with the exception of 17.5 x 22.5 and 19 x 25, which are 2 tiers.

 $<sup>^{\</sup>dagger} 40 \text{ lb.}$  items not guaranteed for electronic imaging

### Accent® Opaque Text White Smooth

Rolls

BASIS WEIGHT	ROLL WIDTH	ROLL Diameter	AVERAGE LINEAR FT/ROLL	AVERAGE WEIGHT/ROLL	STOCK CODE
40	35	40	35,500	1,320	182089
50	17	40	29,000	642	182021
	17.5	40	29,000	655	182121
	18 <sup>††</sup>	40	29,000	674	182122
	23	40	29,000	860	182055
	35	40	29,000	1,315	182063
	35	50	46,300	2,050	182064
60	11 <sup>††</sup>	40	24,000	406	182071
	17	40	24,000	630	182109
	17.5	40	24,000	650	182139
	18 <sup>††</sup>	40	24,000	665	188450
	18	50	38,250	1,045	182103
	23	40	24,000	850	182105
	35	40	24,000	1,300	182113
	35	50	38,250	2,035	182115
70	17	40	20,418	610	182185
	17.5	40	20,418	628	188290
	18	40	20,418	648	188310
	35	40	20,418	1,253	188111
80	18 <sup>††</sup>	40	17,600	657	188451

 $<sup>^{\</sup>dagger\dagger}$  Packaged 2 rolls per package.

# Accent® Opaque Text Warm White Smooth Cartons

#### **WARM WHITE**

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
60	89	4.7	120	-	93.5	FSC	0%
70	104	5.4	120	_	94.5	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ Pallet	STOCK CODE
60	23 x 35	102	1,500	16	2,448	165175
	25 x 38	120	1,200	16	2,304	165191
70	23 x 35	119	1,200	16	2,285	165183
	25 x 38	140	1,000	18	2,520	165209

# Accent® Opaque Text White Vellum

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
50	74	4.3	210	96	92.0	FSC • Rolls SFI	0%
60	89	5.1	210	96	93.5	FSC • Rolls SFI	0%
70	104	5.9	210	96	94.5	FSC • Rolls SFI	0%
80	118	6.8	220	96	96.0	FSC • Rolls SFI	0%

Accent	Cartons					
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE
60	8.5 x 11	11.80	5,000	32	1,890	109447
	11 x 17	23.62	2,500	32	1,890	109488
	17.5 x 22.5	50	3,200	14	2,240	164426
	23 x 35	102	1,500	14	2,142	164541
	25 x 38	120	1,200	16	2,304	164665
70	8.5 x 11	13.76	4,000	32	1,764	109512
	23 x 35	119	1,200	16	2,285	164574
	25 x 38	140	1,000	18	2,520	164699
80	23 x 35	136	1,100	14	2,100	164525
	25 x 38	160	1,000	16	2,560	164533

Accent® Opaque Text White Vellum							
BASIS WEIGHT	ROLL WIDTH	ROLL DIAMETER	AVERAGE Linear Ft/Roll	AVERAGE WEIGHT/ROLL	STOCK CODE		
50	17.5	40	26,700	600	182154		
	35	40	26,700	1,200	182196		
60	11††	40	22,000	375	182162		
	17.5	40	22,000	600	182170		
	18	40	22,000	610	188330		
	35	40	22,000	1,200	188129		
	17.5	50	19,000	590	188320		
70	18	40	19,000	610	188340		
	35	40	19,000	1,180	188130		

<sup>††</sup> Packaged 2 Rolls per package.

### Accent® Opaque Cover

#### **Features**

- 4 basis weights (65, 80, 100, 120 lb.)
- 3 finishes (Smooth, Super Smooth and Vellum)
- 2 whites (96 brightness, enhanced whiteness White and Warm White)
- Coordinates with Accent Opaque Text
- Guaranteed to run on equipment that accepts cover weight papers
- 10-30% recycled Accent Opaque available on a making
- Acid-free for added archival quality that extends the life of the document

#### **Benefits**

- Smooth, level printing surface for proper ink holdout and quick drying
- The strength necessary for easy folding, scoring, diecutting and perforating
- Use Super Smooth finish for near matte print fidelity, Smooth finish for good ink holdout especially on halftones and duotones, and Vellum for when the job calls for a more velvety finish
- High brightness and preferred Blue-White shade provide excellent print contrast

End Uses • Brochures, direct mail, tent cards, menus, catalogs, financial reports, posters







responsible forestry

# Accent® Opaque Cover White Smooth

Cartons

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
65	176	8.8	135	96	98.0	FSC	0%
80	216	10.9	145	96	99.0	FSC	0%
100	271	13.9	155	96	99.0	FSC	0%
120	325	16.0	130	96	99.0	FSC	0%

Based on 20"x 26" sheet size

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ Pallet	WEIGHT/ PALLET	STOCK CODE
65	20 x 26	130	1,000	18	2,340	188149
	23 x 35	201	750	16	2,412	188150
	26 x 40	260	500	18	2,340	188151
	28 x 40	280	500	14	1,960	188166
	35 x 23	201	750	16	2,412	188173
80	20 x 26	160	1,000	16	2,560	188540
	23 x 35	248	500	18	2,232	188140
	26 x 40	320	500	14	2,240	188162
	28 x 40	344	400	14	1,926	188165
100	20 x 26	200	800	14	2,240	188136
	23 x 35	310	400	18	2,229	188141
	26 x 40	400	400	14	2,240	188163
	28 x 40	430	350	14	2,107	188164
120	20 x 26	240	700	14	2,352	188655
	23 x 35	372	350	18	2,344	188645
	26 x 40	480	350	14	2,352	188640
	28 x 40	516	300	14	2,167	188650
	35 x 23	372	350	18	2,344	188660

# Accent® Opaque Cover Warm White Smooth Cartons

#### **WARM WHITE**

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
65	176	8.8	135	_	98	FSC	0%
80	216	10.9	145	_	99	FSC	0%
100	271	13.9	155	-	99	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ Pallet	STOCK CODE
65	23 x 35	201	750	16	2,412	188585
	26 x 40	260	500	18	2,340	188590
80	23 x 35	248	500	18	2,232	188635
	26 x 40	320	500	14	2,240	188615
100	23 x 35	310	400	18	2,229	188625
	26 x 40	400	400	14	2,240	188630

### Accent® Opaque Cover Smooth

Skids

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
80	216	10.9	145	96	99.0	FSC	0%

Based on 20"x 26" sheet size

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK Code
80	23 x 35	248	3,600	893	191165
	26 x 40	320	3,600	1,152	191166

Max skid height of 39"

## Accent® Opaque Cover White Super Smooth Cartons

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
65	176	8.0	80	96	98.0	FSC	0%
80	325	10.0	80	96	98.0	FSC	0%

Based on 20"x 26" sheet size

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ Pallet	WEIGHT/ Pallet	STOCK CODE
<i>65</i>	20 x 26	130	1,000	18	2,340	122275
	23 x 35	201	750	16	2,412	121970
	35 x 23	201	750	16	2,412	121996
	26 x 40	260	500	18	2,340	122291
80	20 x 26	160	1,000	16	2,560	122283
	23 x 35	248	500	20	2,480	121988
	26 x 40	320	500	14	2,240	122416

## Accent® Opaque Cover White Vellum Cartons

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
65	176	9.6	250	96	98.0	FSC	0%
80	216	12.0	250	96	99.0	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ Pallet	STOCK CODE
65	23 x 35	201	750	14	2,111	166066
	26 x 40	260	500	18	2,340	166025
80	23 x 35	248	500	16	1,984	166033
	26 x 40	320	500	14	2,240	166058

### Accent® Opaque Digital RE-30 Text and Cover

#### Features

- Basis weights (60 lb. Text,)
- 30% post-consumer fiber
- Smooth finish
- Standard cut-sizes
- 95 brightness, Blue-White shade
- Acid-free for added archival quality that extends the life of the document
- Guaranteed to run on small and large offset presses, digital imaging equipment including copiers, laser and inkjet printers, as well as plain-paper fax machines.

#### **Benefits**

- Smooth surface for proper ink holdout
- · Excellent opacity for minimal show-through
- High brightness and preferred Blue-White shade provide excellent print contrast
- Designed specifically for "Electronic Image Guarantee"

**End Uses** • Manuals, booklets, short-run color, direct mail, financial data, posters, sell sheets, brochures











# Accent<sup>®</sup> Opaque Digital RE-30 Text

Cartons

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
24/60	89	4.7	120	95	93.5	FSC	30%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ Pallet	WEIGHT/ PALLET	STOCK CODE
24/60	8.5 x 11	11.80	5,000	32	1,890	188102
	11 x 17	23.62	2,500	32	1,890	188103

### Accent® Opaque RE-30 Text and Cover

#### **Features**

- 7 basis weights: (60, 70, 80, 100 lb. Text, 65, 80, 100 lb. Cover)
- 30% post-consumer fiber
- Smooth finish
- Standard cut-sizes
- 95 brightness, Blue-White shade
- · Acid-free for added archival quality that extends the life of the document
- Guaranteed to run on small and large offset presses, digital imaging equipment including copiers, laser and inkjet printers, as well as plain-paper fax machines.

#### **Benefits**

- Smooth surface for proper ink holdout
- Excellent opacity for minimal show-through
- High brightness and preferred Blue-White shade provide excellent print contrast
- Designed specifically for "Electronic Image Guarantee"

End Uses • Manuals, booklets, short-run color, direct mail, financial data, posters, sell sheets, brochures











# Accent® Opaque RE-30 Text

### Cartons

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
60	89	4.7	120	95	93.5	FSC	30%
70	104	5.4	120	95	94.5	FSC	30%
80	118	6.2	130	95	96.0	FSC	30%
100	148	7.6	130	95	97.0	FSC	30%

Based on 20"x 26" sheet size

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ Pallet	WEIGHT/ Pallet	STOCK CODE
60	23 x 35	102	1,500	16	2,448	188110
	25 x 38	120	1,200	16	2,304	188112
70	23 x 35	119	1,200	14	1,999	188113
	25 x 38	140	1,000	18	2,520	188114
80	25 x 38	160	1,000	16	2,560	188115
100	25 x 38	200	800	14	2,240	188116

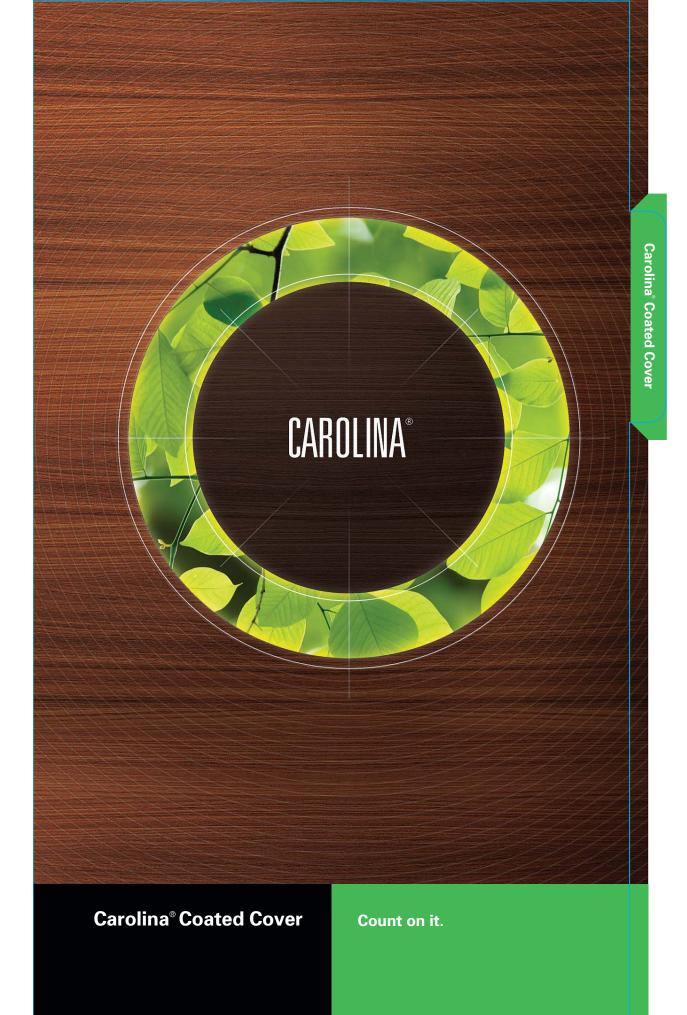
# Accent® Opaque RE-30 Cover

Cartons )

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
65	176	8.8	135	95	98.0	FSC	30%
80	216	10.9	145	95	99.0	FSC	30%
100	271	13.9	155	95	99.0	FSC	30%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ Pallet	STOCK Code
65	23 x 35	201	750	16	2,412	188117
80	26 x 40	320	500	14	2,240	188120
100	26 x 40	400	400	14	2,240	188122



### Carolina® Cover Quick Reference Guide

### Carolina® Digital C2S and C1S Cover

FINISH	BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	STOCK	CERT.
Gloss C2S	144	234	10.0	55	94	_	С	SFI
	165	269	12.0	55	94	_	С	SFI
	188	306	14.0	55	94	_	С	SFI
Gloss C1S	133	216	10.0	55	94	_	С	SFI
	155	252	12.0	55	94		С	SFI

#### Carolina® C2S Cover

FINISH	BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	STOCK	CERT.
Gloss C2S	120*	195	8.0	55	94	_	C S	SFI
	138	225	9.4	55	94	_	С	SFI
	144*	234	10.0	55	94	_	C S	SFI
	165*	269	12.0	55	94	_	C S	SFI
	188	306	14.0	55	94	_	C S	SFI
	203	330	16.0	55	94	_	С	SFI
	220	358	18.0	55	94	_	С	SFI
	240	391	20.0	55	94	_	С	SFI
	286	466	24.0	55	94	_	C S	SFI

<sup>\*</sup>Envirocote® C2S Cover (recycled) versions available in these calipers as Make items

#### Carolina® C1S Ultra Light Cover and Blanks – Low Density

ouronna o	diomid of o old a Light oover and blanks Low Bensity											
FINISH	BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	STOCK	CERT.				
C1S Cover	110	179	8.0	55	88	_	М	SFI				
88	122	199	10.0	55	88	_	S	SFI				
	145	236	12.0	55	88	_	S	SFI				
C1S Cover	122	199	10.0	55	94	_	C S	SFI				
94	145	236	12.0	55	94	_	C S	SFI				
C1S Blanks	163	265	14.0	55	88	_	М	SFI				
	172	280	15.0	55	88	_	С	SFI				
	182	296	16.0	55	88	_	М	SFI				
	199	324	18.0	55	88	_	C S	SFI				
	215	350	20.0	55	88	_	С	SFI				
	235	383	22.0	55	88	_	М	SFI				
	251	408	24.0	55	88	_	C S	SFI				
	276	449	26.0	55	88		М	SFI				
	294	478	28.0	55	88	_	М	SFI				

### Carolina® C1S Cover – Medium Density

FINISH	BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	STOCK	CERT.
C1S Cover	108	176	7.4	55	94	_	М	SFI
	112*	182	8.0	55	94	_	С	SFI
	120	195	9.4	55	94	_	М	SFI
	133*	216	10.0	55	94	_	С	SFI
	155*	252	12.0	55	94	_	С	SFI

<sup>\*</sup>Envirocote® C1S Cover (recycled) versions available in these calipers as Make items

#### Carolina® C2S Web Cover

FINISH	BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	STOCK	CERT.
Gloss C2S	75	203	8.0	55	94	97.5	М	SFI
0.000 020	84	239	9.4	55	94	98.0	М	SFI
	87	254	10.0	55	94	98.5	М	SFI

SFI® indicates Sustainable Forestry Initiative® SFI® certified. C indicates Cartons. S indicates Skids. M indicates Making.

### Carolina® Digital C2S Cover

#### **Features**

- 94 brightness, Blue-White shade
- High-gloss finish, great ink holdout and exceptional uniformity
- High-quality, consistent coating from side-to-side
- 8.5 x 11" stock items ream wrapped
- Convenient bulk packaging for 17 x 11", 18 x 12", 19 x 13" and 20 x 14" stock items
- Certified on HP® Indigo® and Kodak® NexPress® certified

### **Benefits**

- Guaranteed to run on small and large offset presses
- Superior holdout for ink, lacquer and film lamination
- Outstanding folding, scoring and die-cutting

#### **End Uses**

 High-quality cover applications, direct mail, inserts, greeting cards, upscale advertising brochures, folders

#### Colors

• Blue-White

#### **Position**

 Carolina Digital C2S Cover is available in a variety of digital sizes. It's ideally suited for digital offset printing presses as well as toner based and industrial inkjet printing applications.



Certified for **HP Indigo** 

# Carolina<sup>®</sup> Digital C2S Cover

### Cartons

#### **BLUE WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
144	234	10.0	55	94	_	SFI	0%
165	269	12.0	55	94	_	SFI	0%
188	306	14.0	55	94	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE
144/10	8.5 x 11	31.16	2,000	40	2,493	008011
	17 x 11	62.32	800	32	1,595	018171
	18 x 12	72.00	800	30	1,728	018181
	19 x 13	82.33	800	30	1,976	018191
	20 x 14	93.33	700	30	1,960	018201
165/12	8.5 x 11	35.70	2,000	32	2,285	008013
	17 x 11	71.43	700	32	1,600	018173
	18 x 12	82.52	700	30	1,733	018183
	19 x 13	94.33	700	30	1,981	018193
	20 x 14	106.94	600	30	1,925	018203
188/14	18 x 12	94.00	600	30	1,692	018184
	19 x 13	107.50	600	30	1,935	018194
	20 x 14	121.87	500	30	1,828	018204

### Carolina® C2S Cover

- **Features** 94 brightness, Blue-White shade
  - High-gloss finish, great ink holdout and exceptional uniformity
  - High-quality, consistent coating from side-to-side

#### **Benefits**

- Superior holdout for ink, lacquer and film lamination
- Outstanding folding, scoring and die-cutting

**End Uses** • High-quality cover applications, annual reports, inserts, catalog covers, trading cards, game cards, greeting cards, upscale advertising brochures, folders

#### Colors

• Blue-White

#### **Position**

 Service and superior product attributes make Carolina C2S Cover the most frequently requested house sheet in the industry. Additionally, the excellent printability, brightness and gloss make this grade an economical substitute for more expensive coated freesheet covers.



# Carolina® C2S Cover

### Cartons

#### **BLUE WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
120	195	8.0	55	94	_	SFI	0%
138	225	9.4	55	94	_	SFI	0%
144	234	10.0	55	94	_	SFI	0%
165	269	12.0	55	94	_	SFI	0%
188	306	14.0	55	94	_	SFI	0%
203	330	16.0	55	94	_	SFI	0%
220	358	18.0	55	94	_	SFI	0%
240	391	20.0	55	94	_	SFI	0%
286	466	24.0	55	94	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ Pallet	STOCK CODE
120/8	19 x 25	132	1,200	16	2,534	008128
	20 x 26	144	1,050	16	2,419	008228
	23 x 35	224	700	16	2,509	008428
	25 x 38	264	600	16	2,534	008528
	26 x 40	288	500	16	2,304	008628
	28 x 40	312	450	14	1,966	008728
138/9.4	20 x 26	166	900	16	2,390	008229
	23 x 35	257	600	16	2,467	008429
	25 x 38	304	500	16	2,432	008529
	26 x 40	332	450	16	2,390	008629
144/10	19 x 25	158	1,000	16	2,528	008120
	20 x 26	173	900	16	2,491	008220
	23 x 29	222	600	16	2,131	008320
	23 x 35	268	600	16	2,573	008420
	25 x 38	316	500	16	2,528	008520
	26 x 40	346	450	16	2,491	008620
	28 x 40	374	400	12	1,785	008720
165/12	19 x 25	181	800	16	2,317	008122
-	20 x 26	199	700	18	2,507	008222
	23 x 29	255	500	18	2,295	008322
	23 x 35	307	500	16	2,456	008422
	25 x 38	362	400	16	2,317	008522
	26 x 40	398	350	18	2,507	008622
	28 x 40	428	350	12	1,798	008722
188/14	19 x 25	207	700	16	2,318	008124
•	23 x 25	350	400	16	2,240	008424
	25 x 38	414	350	16	2,318	008524
	26 x 40	452	300	18	2,441	008624
	28 x 40	488	300	12	1,757	008724

^ I'	® 000	<b>^</b>
Carolina	<b>3" UZS</b>	Cover

Cartons

	HE	WH	
BL			

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE
203/16	23 x 35	378	350	16	2,117	008426
	25 x 38	446	300	16	2,141	008526
	26 x 40	488	300	16	2,342	008626
	28 x 40	526	250	12	1,578	008726
220/18	23 x 35	410	300	16	1,968	008438
	25 x 38	484	250	16	1,936	008538
	26 x 40	530	200	16	1,696	008638
	28 X 40	570	200	12	1,368	008738
240/20	25 x 35	447	300	16	2,146	008440
	25 x 38	528	250	16	2,112	008540
	26 X 40	578	200	16	1,850	008640
	28 x 40	622	200	12	1,493	008740
286/24	20 X 26	344	400	16	2,202	008234
	23 x 35	533	250	16	2,132	008434
	25 x 38	628	200	16	2,010	008534
	26 x 40	688	200	16	2,202	008634
	28 x 40	742	200	12	1,781	008734

# Carolina® C2S Cover

Skids

### **BLUE WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
120	195	8.0	55	94	_	SFI	0%
144	234	10.0	55	94	_	SFI	0%
165	269	12.0	55	94	_	SFI	0%
188	306	14.0	55	94	_	SFI	0%
286	466	24.0	55	94	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
120/8	25 x 38	264	5,000	1,320	062085
144/10	23 x 35	268	4,000	1,072	062103
	25 x 38	316	4,000	1,264	062105
	28 x 40	374	4,000	1,496	062107
165/12	19 x 25*	181	6,600	1,195	062121
	25 x 38	362	3,300	1,195	062125
	26 x 40	398	3,300	1,313	062126
	28 x 40	428	3,300	1,412	062127
188/14	28 x 40	488	2,800	1,366	062147
286/24	28 X 40	742	1,600	1,187	062247

 $<sup>^{*}</sup>$  All press ready skids are 1 tier, with the exception of 19 x 25, which are 2 tiers.

## Carolina<sup>®</sup> Digital C1S Cover

### **Features**

- 94 brightness, Blue-White shade
- High-gloss finish, great ink holdout and exceptional uniformity
- Double-coated for enhanced surface smoothness
- 8.5 x 11" stock items ream wrapped
- Convenient bulk packaging for 17 x 11", 18 x 12", 19 x 13" and 20 x 14" stock items
- Certified on HP® Indigo® and Kodak® NexPress® certified

### **Benefits**

- Guaranteed to run on small and large offset presses
- High-gloss finish allows images to pop from page
- Great scoring, folding and die-cutting characteristics

End Uses • Catalog covers, direct mail, postcards, greeting cards, menus, brochures, folders

#### Colors

Blue-White

### **Position**

 Carolina Digital C1S Cover is available in a variety of digital sizes. It's ideally suited for digital offset presses as well as toner based and industrial inkjet printing applications.



# Carolina<sup>®</sup> Digital C1S Cover

# Cartons

### **BLUE WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
133	216	10.0	55	94	_	SFI	0%
155	252	12.0	55	94	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE
133/10	8.5 x 11	28.78	2,000	40	2,302	908010
	17 x 11	57.58	800	32	1,474	018170
	18 x 12	66.50	800	30	1,596	018180
	19 x 13	76.04	800	30	1,825	018190
	20 x 14	86.19	700	30	1,810	018209
155/12	8.5 x 11	33.55	2,000	32	2,147	908012
	17 x 11	67.10	700	32	1,503	018172
	18 x 12	77.52	700	30	1,678	018182
	19 x 13	88.62	700	30	1,861	018192
	20 x 14	100.44	600	30	1,808	018202

## Carolina® C1S Cover

### **Features**

- 94 brightness, Blue-White shade
- High-gloss finish, great ink holdout and exceptional uniformity
- Double-coated for enhanced surface smoothness
- 8.5 x 11" stock items ream wrapped
- Convenient bulk packaging for 17 x 11", 18 x 12", 19 x 13", and 20 x 24" stock items
- HP® Indigo® certified (coated side only on the 3050, 3500, 5000, 5500, and 7000 presses)
- Kodak® NexPress® certified

### Benefits

- High-gloss finish allows images to pop from page
- Great scoring, folding and die-cutting characteristics

**End Uses** • Catalog covers, postcards, greeting cards, menus, brochures, folders

#### Colors

• Blue-White

### Position

• Economical C1S Cover with excellent printed and unprinted appearance qualities, making it a good substitute for higher-priced and less durable premium coated covers.



# Carolina® C1S Cover

# Cartons

### **BLUE WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
112	182	8.0	55	94	_	SFI	0%
133	216	10.0	55	94	_	SFI	0%
155	252	12.0	55	94	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE
112/8	19 x 25	123	1,200	16	2,362	008118
	20 x 26	135	1,200	16	2,592	008218
	23 x 29	173	800	16	2,214	008318
	23 x 35	209	700	16	2,341	008418
	25 x 38	246	600	16	2,362	008518
	26 x 40	270	600	16	2,592	008618
	28 x 40	290	500	12	1,740	008718
133/10	19 x 25	146	1,000	16	2,336	008110
	20 x 26	160	1,000	16	2,560	008210
	23 x 29	205	750	12	1,845	008310
	23 x 35	248	650	16	2,579	008410
	25 x 38	292	500	16	2,336	008510
	26 x 40	320	500	16	2,560	008610
	28 x 40	344	450	10	1,548	008710
155/12	19 x 25	170	900	16	2,448	008112
	20 x 26	187	800	16	2,394	008212
	23 x 29	239	600	14	2,008	008312
	23 x 35	289	500	16	2,312	008412
	25 x 38	340	450	16	2,448	008512
	26 x 40	374	400	16	2,394	008612
	28 X 40	402	400	10	1,608	008712

## Carolina® C1S Ultra Light 94 and Ultra Light 88 Cover

- Features Ultra Light 94 C1S Cover has a 94 brightness, Blue-White shade
  - Ultra Light 88 C1S Cover has an 88 brightness, Neutral-White shade
  - High-gloss finish, great ink holdout and exceptional uniformity
  - Double-coated for enhanced surface smoothness

#### **Benefits**

- High-gloss finish allows images to pop from page
- Great folding and die-cutting characteristics

**End Uses** • Book covers, greeting cards, postcards, return mail, menus, brochures, folders

### Colors

Blue-White and Neutral-White

#### **Position**

 Used for applications in which high yield and lighter weight are required, such as mailings, advertising pieces, pocket folders, hang tags, reply cards



# Carolina® C1S Ultra Light 94 Cover

Cartons

### **BLUE WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
122	199	10.0	55	94	_	SFI	0%
145	236	12.0	55	94	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ Pallet	WEIGHT/ PALLET	STOCK CODE
122/10	19 x 25	134	1,000	16	2,144	008100
	20 X 26	147	1,000	16	2,352	008200
	23 X 29	188	750	12	1,692	008300
	23 x 35	227	650	16	2,361	008400
	25 X 38	268	500	18	2,412	008500
	26 X 40	294	500	16	2,352	008600
	28 X 40	316	500	10	1,580	008700
145/12	19 x 25	159	1,000	16	2,544	008102
	20 X 26	175	900	16	2,520	008202
	23 x 29	224	600	14	1,882	008302
	23 x 35	270	500	16	2,160	008402
	25 x 38	318	500	16	2,544	008502
	26 x 40	350	450	16	2,520	008602
	28 x 40	376	400	10	1,504	008702

#### **BLUE WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
122	199	10.0	55	94	_	SFI	0%
145	236	12.0	55	94	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
122/10	17.5 x 23*	114	8,000	912	061100
	19 x 25*	134	8,000	1,072	061101
	20 X 26*	147	8,000	1,176	061102
	23 x 35	227	4,000	908	061104
	25 x 38	268	4,000	1,072	061105
	26 x 40	294	4,000	1,176	061106
	28 x 40	316	4,000	1,264	061107
145/12	19 x 25*	159	6,600	1,049	061121
	20 X 26*	175	6,600	1,155	061122
	23 x 35	270	3,300	891	061124
	25 x 38	318	3,300	1,049	061125
	26 x 40	350	3,300	1,155	061126
	28 x 40	376	3,300	1,241	061127

 $<sup>^{*}</sup>$  All press ready skids are 1 tier with the exception of 17.5 x 23, 19 x 25, and 20 x 26 which are 2 tiers.

# Carolina® C1S Ultra Light 88 Cover

Skids

### **NEUTRAL WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
122	199	10.0	55	88	_	SFI	0%
145	236	12.0	55	88	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
122/10	25 x 38	268	4,000	1,072	031105
	26 x 40	294	4,000	1,176	031106
	28 x 40	316	4,000	1,264	031107
145/12	28 x 40	376	3,300	1,241	031127

## Carolina® C1S Blanks – Low Density

- Features 88 brightness, Neutral White shade
  - High-gloss finish, great ink holdout and exceptional uniformity
  - Double-coated for enhanced surface smoothness

### **Benefits**

- High-gloss finish allows images to pop from page
- Good scoring, folding and die-cutting characteristics

**End Uses** • Hang tags, point-of-purchase displays, folders, brochures, posters

### Colors

Neutral White

### **Position**

 Economical heavyweight C1S Cover with good strength and folding characteristics but at a lighter weight suitable for applications where high yield, good printability and stiffness are important.



# Carolina® C1S Blanks — Low Density

Cartons

### **NEUTRAL WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
172	280	15.0	55	88	_	SFI	0%
199	324	18.0	55	88	_	SFI	0%
215	350	20.0	55	88	_	SFI	0%
251	408	24.0	55	88	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ Pallet	WEIGHT/ PALLET	STOCK CODE
172/15	19 x 25	189	750	12	1,701	048155
	23 x 29	266	500	16	2,128	048355
	23 x 35	321	400	16	2,054	048455
	26 x 40	414	350	16	2,318	048655
	28 x 40	446	300	12	1,606	048755
199/18	19 x 25	219	600	16	2,102	048158
	23 x 29	307	400	16	1,965	048358
	23 x 35	371	350	16	2,078	048458
	25 x 38	438	300	16	2,102	048558
	26 x 40	480	300	16	2,304	048658
	28 x 40	516	250	12	1,548	048758
215/20	19 x 25	236	500	16	1,888	048150
	23 x 35	401	300	16	1,925	048450
	28 x 40	558	250	12	1,674	048750
251/24	19 x 25	276	500	16	2,208	048154
	23 x 29	388	300	16	1,862	048354
	23 x 35	468	250	16	1,872	048454
	25 x 38	552	200	16	1,766	048554
	26 x 40	604	200	16	1,933	048654
	28 x 40	650	200	12	1,560	048754

# Carolina® C1S Blanks — Low Density

Skids

### **NEUTRAL WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
199	324	18.0	55	88	_	SFI	0%
251	408	24.0	55	88	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
199/18	28 x 40	516	2,200	1,135	061187
251/24	23 x 35	468	1,600	749	061245
	26 x 40	604	1,600	966	061246
	28 X 40	650	1,600	1,040	061247
-	28 X 4U	050	1,000	1,040	001247

## Carolina® C2S Web Cover

- Features 94 brightness, Blue-White shade
  - Glossy finish, great ink holdout and exceptional uniformity
  - Resists blistering in heat-set web dryers

### **Benefits**

- Excellent print snap
- Good ink holdout
- Sharp color reproduction
- Excellent convertability

End Uses • Direct mail, book covers, magazine covers, catalog covers, tags, calendars, annual reports, brochures, greeting cards

### Colors

• Blue-White

Position • Carolina C2S Web Cover is specifically formulated for heat-set web. It gives you superior coverage and sharp color at a great value when compared to other web coated covers.



#### Features

- 10% post-consumer fiber
- 94 brightness, Blue-White shade
- High-gloss finish, great ink holdout and exceptional uniformity
- High-quality, consistent coating from side-to-side

### **Benefits**

- Superior holdout for ink, lacquer and film lamination
- Outstanding folding, scoring and die-cutting

End Uses • High-quality cover applications, annual reports, inserts, catalog covers, trading cards, game cards, greeting cards, upscale advertising brochures, folders

#### Colors

• Blue-White

### **Position**

• Superior product attributes make Envirocote C1S Cover (recycled) the preferred choice in the industry. Additionally, the excellent printability, brightness and gloss make this grade an economical substitute for more expensive coated freesheet covers.





## Carolina<sup>®</sup> Envirocote<sup>®</sup> C2S Cover

- Features 10% post-consumer fiber
  - 94% brightness, Blue-White shade
  - High-gloss finish, great ink holdout and exceptional uniformity
  - High-quality consistent coating from side-to-side

#### **Benefits**

- Superior holdout for ink, lacquer and film lamination
- Outstanding folding, scoring and die-cutting

**End Uses** • High-quality cover applications, annual reports, inserts, catalog covers, trading cards, game cards, greeting cards, upscale advertising brochures, folders

### Colors

• Blue-White

### **Position**

• Superior product attributes make Envirocote C2S Cover (recycled) the preferred choice in the industry. Additionally, the excellent printability, brightness and gloss make this grade an economical substitute for more expensive coated freesheet covers.





Notes	

## Hammermill<sup>®</sup>

Hammermill.com twitter.com/Hammermill facebook.com/Hammermill Makes Your Work Look Better.®

## Hammermill® Quick Reference Guide

### Hammermill® Color Copy Digital Text and Cover

TEXT	FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Photo	Smooth	28/70	105	4.7	40	100	94	0%	FSC
White	Smooth	32/80	120	5.4	40	100	96	0%	FSC
COVER	FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Photo	Smooth	60	162	6.5	30	100	97	0%	FSC
White	Smooth	80	216	8.9	30	100	98	0%	FSC
	Smooth	100	271	10.5	50	100	99	0%	FSC

### Hammermill® Laser Print

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	24/60	90	4.1	50	98	92	0%	FSC
	28/70	105	4.7	50	98	94	0%	FSC
	32/80	120	5.2	50	98	96	0%	FSC

### Hammermill® Bond

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	20/50	75	4.1	170	92	91	30%	SFI
	24/60	90	4.8	170	92	92	30%	SFI

### Hammermill® Premium Inkjet and Laser

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	24/60	90	4.7	135	97	90	0%	FSC

### Hammermill® Inkjet

FINISH	BASIS WT.	. GSM CALIPER		SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	24/60	90	4.6	135	96	90	10%	FSC

### Hammermill® Premium Multi-Purpose

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	20/50	75	4.0	135	97	90	0%	FSC
	24/60	90	4.7	135	97	90	0%	FSC

### Hammermill® Fore® Multi-Purpose White

TEXT	FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
White	Bond	20/50	75	4.0	135	96	90	0%	FSC
	Bond	24/60	90	4.6	135	96	90	0%	FSC

### Hammermill® Great White® 30

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	20/50	75	4.0	160	92	86	30%	FSC

### Hammermill® Great White® 50

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	20/50	75	4.0	160	92	86	50%	FSC

### Hammermill® Great White® 100

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	20/50	75	4.0	160	92	86	100%	FSC

### Hammermill® Tidal® MP

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	20/50	75	4.0	150	92	88	0%	SFI

### Hammermill® Colors

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	20/50	75	4.0	150	N/A	87	30%	FSC
Bond	24/60	90	4.7	150	N/A	88	30%	FSC

### Hammermill® Color Laser Gloss

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Gloss	32/80	120	4.25	N/A	94	94	0%	FSC

### **International Paper Relay™MP**

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Bond	20/50	75	4.0	160	92	86	0%	SFI

FSC® indicates Forest Stewardship Council® FSC® certified SFI® indicates Sustainable Forestry Initiative® SFI® certified

## Hammermill® Color Copy Digital Text and Cover

- Features 99.99% jam-free™ guarantee\*
  - 100 brightness, Photo White<sup>™</sup> shade
  - Qualified on HP® Indigo® and Kodak® NexPress®
  - Recommended on Xerox<sup>®</sup> iGen<sup>®</sup>
  - 5 basis weights (28/70, 32/80 lb. Text; 60, 80, 100 lb. Cover)
  - Precision-sheeted sizes you need (12 x 18", 18 x 12", 19 x 13") straight from the mill to reduce trim and misfeed costs
  - Acid-free for added archival quality that extends the life of the document
  - Made in USA

#### Benefits

- Super bright Photo White for excellent image contrast and color reproduction
- Ultra-smooth finish provides a superior surface for perfect toner blending and brilliant color
- Heavier basis weights enable better color registration and provide a more stable surface for heavier toner applications

**End Uses** • Premium color copies, design proposals, full color presentations, brochures, posters, color photos

#### Color

Photo White

**Position** • Premium #1 digital xerographic, high-speed laser



Certified for **HP Indigo** 

The mark of responsible forestry

<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill<sup>®</sup> Color Copy Digital Text

Cartons

### PHOTO WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
Smooth	28/70	105	4.7	40	100	94	FSC	0%
	32/80	120	5.4	40	100	96	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTON/ Pallet	WEIGHT/ Carton	RMS/ CTN	STOCK CODE
28/70	8.5 x 11	14	4,000	32	56.00	8	102467
	8.5 X 11 3-Hole Punched	14	4,000	32	56.00	8	102500
	8.5 x 14	17.8	4,000	30	71.00	8	102475
	11 x 17	28	2,000	32	56.00	4	102541
	12 x 18	32.34	2,000	32	64.68	4	106125
	19 x 13	36.98	1,500	35	55.45	3	106126
32/80	8.5 x 11	16	4,000	32	64.00	8	102630
	11 x 17	32	2,000	32	64.00	4	102660
	12 x 18	36.96	1,500	32	55.43	3	106127
	19 x 13	42.26	1,500	35	63.40	3	106128

# Hammermill<sup>®</sup> Color Copy Digital Cover

Cartons

### **PHOTO WHITE**

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
Smooth	60	162	6.5	30	100	97	FSC	0%
	80	216	8.9	30	100	98	FSC	0%
	100	271	10.5	50	100	99	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ CARTON	RMS/ CTN	STOCK CODE
60	8.5 x 11	21.56	2,500	32	53.90	10	122549
	17 x 11	43.14	1,250	32	53.93	5	122556
	18 x 12	49.84	1,250	32	62.31	5	120040
80	8.5 x 11	28.76	2,000	32	57.53	8	120023
	17 x 11	57.52	1,000	32	57.53	4	120037
	18 x 12	66.46	1,000	32	66.46	4	133200
	19 x 13	76.00	750	35	57.00	3	133241
100	8.5 x 11	35.96	1,500	32	53.93	6	120024
	17 x 11	71.92	750	32	53.93	3	133202
	12 x 18	83.08	750	32	62.28	3	133232
	18 x 12	83.06	750	32	62.28	3	133201
	19 x 13	95.00	750	28	71.25	3	133242

## Hammermill® Laser Print

- Features 99.99% jam-free™ guarantee\*
  - 98 brightness, Radiant White
  - 3 basis weights (24/60, 28/70, 32/80 lb.)
  - Ultra-smooth surface
  - · Acid-free for added archival quality that extends the life of the document
  - Made in USA

#### Benefits

- Radiant White shade for excellent image contrast
- Excellent for high-resolution laser prints
- A versatile sheet suited for electronic printing, laser printing and color copies

**End Uses** • Reports, memos, forms, letters, layouts, direct mail, color copies, proposals, brochures, menus, tent cards

#### Color

Radiant White

**Position** • Super premium #1 laser paper/xerographic paper



IAM-FREE™



The mark of responsible forestry

<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill<sup>®</sup> Laser Print

# Cartons

### RADIANT WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT	PC FIBER
SMOOTH	24/60	90	4.1	50	98	92	FSC	0%
	28/70	105	4.7	50	98	94	FSC	0%
	32/80	120	5.2	50	98	96	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ CARTON	RMS/ CTN	STOCK CODE
24/60	8.5 x 11	12	5,000	32	60	10	104604
	8.5 X 11 3-Hole Punched	12	5,000	32	60	10	107681
	8.5 x 14	15.26	5,000	30	76	10	104612
	11 x 17	24	2,500	32	60	5	104620
	35 x 23	103	1,500	12	154.50	N/A	142158
28/70	8.5 x 11	14	4,000	32	56	8	125534
	11x 17	28	2,000	32	56	4	125526
32/80	8.5 x 11	16	4,000	32	64	8	104646
	11 x 17	32	2,000	32	64	4	104653

## Hammermill® Bond

- Features 99.99% jam-free™ guarantee\*
  - · A premium, watermarked, 92 brightness, White
  - · Meets EPA guidelines with 30% post-consumer fiber content
  - 2 basis weights (20/50, 24/60 lb.)
  - · Acid-free for added archival quality that extends the life of the document
  - Made in USA

### **Benefits**

- Excellent opacity for minimal show-through
- High 92 brightness for excellent image contrast

**End Uses** • Letterheads, memos, estimates, presentations, manuals, forms, correspondance

Color

White

Position • Premium #1, watermarked bond recycled







<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill<sup>®</sup> Bond

# Cartons

### WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
Bond	20/50	75	4.1	170	92	91	SFI	30%
	24/60	90	4.8	170	92	92	SFI	30%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ CARTON	RMS/ CTN	STOCK CODE
20/50	8.5 x 11	10	5,000	40	50	10	118315
	35 x 23	86	1,500	16	129	N/A	118380
24/60	8.5 x 11	12	5,000	32	60	10	118331
	35 x 23	103	1,500	14	154.5	N/A	118471

## Hammermill® Premium Inkjet and Laser

- Features 99.99% jam-free™ guarantee\*
  - Enhanced with ColorLok® Technology for inks that appear uniform, vivid and vibrant
  - 97 brightness, White
  - Acid-free for added archival quality that extends the life of the document
  - Made in USA

### **Benefits**

- Smooth uncoated sheet specially formulated sheet for enhanced color imaging
- 24 lb. weight stands up to heavier applications of ink or toner

**End Uses** • Reports, proposals, direct mail, sales material, correspondence, forms, invoices

#### Color

White

### **Position**

Super premium #1 laser paper/xerographic paper



responsible forestry





<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill® Premium Inkjet and Laser Cartons

### WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
Bond	24/60	90	4.7	135	97	90	FSC	0%

BASIS	SIZE	WEIGHT/	SHEETS/	CARTON/	WEIGHT/	RMS/	STOCK
WEIGHT		M SHEETS	CARTON	Pallet	CARTON	CTN	CODE
24/60	8.5 x 11	12	2,500	64	30	5	166140

## Hammermill®Inkjet

- Features 99.99% jam-free™ guarantee\*
  - Enhanced with ColorLok® Technology for inks that appear uniform, vivid and vibrant
  - 10% post-consumer fiber
  - 96 brightness, White
  - 24/60 lb. basis weight
  - Specifically formulated to run on all inkjet printers
  - Acid-free for added archival quality that extends the life of the document
  - Made in USA

#### Benefits

- Bright White shade for excellent image contrast
- Delivers sharp, clear images
- · Special surface formulation that minimizes ink absorption while maximizing the drying process

**End Uses** • Memos, forms, flyers, price lists, everyday personal and business communications

**Position** • Super premium #1 inkjet xerographic paper



responsible forestry









<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill<sup>®</sup> Inkjet

# Cartons

### WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
BOND	24/60	90	4.6	135	96	90	FSC	10%
BASIS WEIGHT	SIZE		WEIGHT/ II SHEETS	SHEETS/ CARTON			RMS/ CTN	STOCK CODE
24/60	8.5 x 11		12	2,500	64	30	5	105050

## Hammermill<sup>®</sup> Premium Multi-Purpose

- Features 99.99% jam-free™ guarantee\*
  - Enhanced with ColorLok® Technology for inks that appear uniform, vivid and vibrant
  - 2 basis weights (20, 24 lb.)
  - 97 brightness, Blue-White shade
  - 20 lb. available in traditional 5 or 10 ream cartons
  - Acid-free for added archival quality that extends the life of the document
  - Made in USA

### **Benefits**

- Runs efficiently through a variety of electronic imaging equipment as well as conventional litho equipment
- · Good opacity, minimizes show-through

**End Uses** • Copies, newsletters, flyers, brochures, forms, reports, price listings, manuals, correspondence

#### Colors

Blue-White

JAM-FREE"

Position • Premium #1 high-speed xerographic MP



responsible forestry





<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill® Premium Multi-Purpose

Cartons

### WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
BOND	20/50	75	4.0	135	97	90	FSC	0%
	24/60	90	4.7	135	97	90	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTON/ Pallet	WEIGHT/ Carton	RMS/ CTN	STOCK CODE
20/50	8.5 x 11	10	2,500	80	25	5	105910
	8.5 X 11	10	5,000	40	50	10	106310
24/60	8.5 x 11	12	2,500	64	30	5	105810

## Hammermill° Fore° Multi-Purpose White

- Features 99.99% jam-free™ guarantee\*
  - Enhanced with ColorLok® Technology for inks that appear uniform, vivid and vibrant
  - 2 basis weights (20, 24 lb.)
  - 96 brightness, White
  - FSC® certified
  - Acid-free for added archival quality that extends the life of the document
  - Specialty items include 3-hole punched, A-4 size
  - Available in traditional 10 ream cartons or convenient 2,500 sheet Express Packs (no ream wrap needed)
  - Made in USA

#### Benefits

- Guaranteed to run on small and large offset presses, digital imaging equipment as well as conventional litho equipment
- Good opacity, minimizes show-through

**End Uses** • Copies, newsletters, flyers, brochures, forms, reports, price listings, manuals, correspondance

### Colors

White

**Position** • Premium #1, high-speed xerographic MP



responsible forestry

JAM-FREE"





<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill® Fore® Multi-Purpose White

# Cartons

### WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
BOND	20/50	75	4.0	135	96	90	FSC	0%
	24/60	90	4.6	135	96	90	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ CARTON	RMS/ CTN	STOCK CODE
20/50	8.5 x 11	10	5,000	40	50	10	103267
	8.5 x 11 Express Pack	10	2,500	80	25	N/A	163121
	8.5 x 11 3-Hole Punched	10	5,000	40	50	10	103275
	A-4 210mm x 297mm	10.34	5,000	40	52	10	103036
	8.5 x 14	12.72	5,000	30	64	10	103291
	11 x 17	20	2,500	40	50	5	103192
24/60	8.5 x 11	12	5,000	32	60	10	103283
	8.5 X 11 Express	12	2,000	80	24	N/A	163122
	8.5 x 11 3-Hole Punched	12	5,000	32	60	10	101287
	8.5 x 14	15.26	5,000	24	76	10	101279
	11 x 17	24	2,500	32	60	5	102848

## Hammermill<sup>®</sup> Great White<sup>®</sup> Recycled 30, 50, 100

- Features 99.99% jam-free™ guarantee\*
  - A versatile recycled multi-purpose office paper
  - 20 lb. basis weight
  - 92 brightness, White
  - Post-consumer recycled fiber by weight meets the Presidential Executive order for recycled content
  - Acid-free for added archival quality that extends the life of the document
  - Made in USA

### **Benefits**

- Good image contrast for easy readability
- Precise, accurate sheeting, consistent moisture and curl control ensure smooth, trouble-free performance.

**End Uses** • Copiers, forms, memos, faxes, reports, office communications, price sheets, bulletins, direct mail

#### Colors

White

**Position** • #1 Xerographic multi-purpose recycled











IAM-FREE"

<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill<sup>®</sup> Great White<sup>®</sup> 30

## Cartons

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNE	SS	OPACIT	Υ	CERT.	PC FIBER
Bond	20/50	75	4.0	160	92		86		FSC	30%
BASIS WEIGHT	SIZE		WEIGHT, M SHEET		CARTON/ PALLET		EIGHT/ Arton		VIS/ TN	STOCK CODE
20/50	8.5 x 11		10	5,000	40		50	1	0	86700
		press	10	2,500	80		25	Ν	I/A	67780
		Hole Inched	10	5,000	40		50	1	10	86702
	8.5 x 14		12.72	5,000	30		64	1	0	86704
	11 x 17		20	2,500	40		50		5	86750

# Hammermill Great White 50

# Cartons

### WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNE	SS	OPACITY	CERT.	PC FIBER
Bond	20/50	75	4.0	160	92		86	FSC	50%
BASIS WEIGHT.	SIZE		VEIGHT/ I SHEETS	SHEETS/ CARTON	CARTON/ Pallet			RMS/ CTN	STOCK CODE
20/50	8.5 x 11		10	5,000	40		50	10	86780

# Hammermill® Great White® 100

## Cartons

### WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
Bond	20/50	75	4.0	160	92	86	FSC	100%
BASIS WEIGHT.	SIZE		VEIGHT/ I SHEETS	SHEETS/ CARTON			RMS/ CTN	STOCK CODE
20/50	8.5 x 11		10	5,000	40	50	10	86790

## Hammermill® Tidal® MP

- Features 99.99% jam-free™ guarantee\*
  - Enhanced with ColorLok® Technology for inks that appear uniform, vivid and vibrant
  - 92 brightness, White
  - Available in traditional 10 ream cartons or convenient 2,500 sheet Express Packs (no ream wrap)
  - · Acid-free for added archival quality that extends the life of the document
  - Made in USA

#### Benefits

- Designed for high-speed copiers and offset presses
- · High opacity for minimal show-through
- Flat, even surface for consistent ink and toner adhesion

End Uses • Copies, memos, forms, manuals, reports, plain paper faxes

#### Colors

White

Position • Premium #1 high-speed xerographic MP



JAM-FREE™





<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill® Tidal® MP

8.5 x 14

11 x 17

## Cartons

162016

162024

### WHITE

FINISH	BASIS WT.	GSM	CALIPER	<b>SMOOTHNESS</b>	BRIGHTNES	SS OPAC	TY	CERT.	PC FIBER
SMOOTH	20/50	75	4.0	150	92	88		SFI	0%
BASIS WEIGHT	SIZE		WEIGHT M SHEET		CARTON/ PALLET	WEIGHT/ CARTON	RIV C1		STOCK CODE
20/50	8.5 x 11		10	5,000	40	50	1	0 1	62008
	8.5 X 11 Expr	ess Pack	10	2,500	80	25	N,	/A 1	63120
	8.5 X 11 <sup>3-Ho</sup>	le :hed	10	5,000	40	50	1	0 1	62032
	8.5 X 11 Expr	ess Pack le Punche	d 10	2,500	80	25	N,	/A 1	63130

5,000

2,500

30

40

64

50

10

5

12.72

## Hammermill® Colors

- Features 99.99% jam-free™ guarantee\*
  - 2 basis weights (20, 24 lb.)
  - 15 recycled colors contain 30% post-consumer fiber
  - Offered in 5 color assortment packs
  - Acid-free for added archival quality that extends the life of the document
  - Made in USA

#### Benefits

- Runs efficiently through a variety of electronic imaging equipment
- · Good opacity, minimizes show-through
- · Excellent for color coding

End Uses • Copies, newsletters, flyers, brochures, forms, reports, price listings, manuals, correspondence

#### Colors

• Blue, Buff, Canary, Cherry, Cream, Goldenrod, Gray, Green, Ivory, Lilac, Orchid, Pink, Salmon, Tan, Turquoise

Position • Xerographic paper colors recycled



The mark of responsible forestry





<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

### Hammermill® Colors Cartons COLORS FINISH BASIS WT. **GSM** CALIPER SMOOTHNESS **BRIGHTNESS OPACITY** CERT. PC FIBER **BOND** 20/50 75 4.0 87 **FSC** 30% 150 24/60 90 4.7 150 88 **FSC** 30% **BASIS** WEIGHT/ SHEETS/ CARTON/ WEIGHT/ RMS/ **STOCK** WEIGHT CODE SIZE **M SHEETS CARTON PALLET CARTON** CTN **BLUE** 8.5 x 11 10 5,000 40 50 10 103309 20/50 8.5 X 11 3-Hole Punched 10 5,000 40 50 10 102905 12.72 64 10 8.5 x 14 5,000 30 103317 11 x 17 20 2,500 40 50 5 102137 12 32 60 10 8.5 x 11 5,000 103671 24/60 11 x 17 24 2,500 32 60 5 103697 **BUFF** 20/50 8.5 x 11 10 5,000 40 50 10 103325 20 40 50 5 102145 11 x 17 2,500 **CANARY** 20/50 8.5 x 11 10 5,000 40 50 10 103341 8.5 X 11 3-Hole Punched 10 5,000 50 10 102921 40 12.72 5,000 30 64 10 103358 8.5 x 14 20 2,500 40 50 5 102152 11 x 17 24/60 8.5 x 11 12 5,000 32 60 10 104307 **CHERRY** 20/50 10 40 50 10 102210 8.5 x 11 5,000 **CREAM** 10 8.5 x 11 5,000 50 10 168030 20/50 40 12.72 10 168040 5,000 30 64 8.5 x 14 11 x 17 20 2,500 40 50 5 168050 12 60 10 24/60 8.5 x 11 5,000 32 168060 **GOLDENROD** 10 40 20/50 8.5 x 11 5.000 50 10 103168 12.72 30 103150 5,000 64 10 8.5 x 14 11 x 17 20 40 50 5 2,500 102160 12 32 60 10 104349 24/60 8.5 x 11 5,000 **GRAY** 20/50 8.5 x 11 10 5,000 40 50 10 102889

2.500

40

50

5

20

11 x 17

102178

Idiiiii	nermill® Col	019					Cartons
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ CARTON	RMS/ CTN	STOCK CODE
GREEN							
20/50	8.5 x 11	10	5,000	40	50	10	103366
	8.5 X 11 3-Hole Punched	10	5,000	40	50	10	102947
	8.5 x 14	12.72	5,000	30	64	10	103374
	11 x 17	20	2,500	40	50	5	102186
24/60	8.5 X 11	12	5,000	32	60	10	104380
VORY							
20/50	8.5 x 11	10	5,000	40	50	10	103176
	8.5 x 14	12.72	5,000	30	64	10	103143
	11 x 17	20	2,500	40	50	5	102194
24/60	8.5 x 11	12	5,000	32	60	10	104406
	8.5 x 14	15.26	5,000	24	76	10	104410
	11 x 17	24	2,500	32	60	5	104414
LILAC							
20/50	8.5 x 11	10	5,000	40	50	10	102269
	11 x 17	20	2,500	40	50	5	102285
ORCHID							
20/50	8.5 x 11	10	5,000	40	50	10	103770
	8.5 x 14	12.72	5,000	30	64	10	103788
	11 x 17	20	2,500	40	50	5	103804
24/60	8.5 X 11	12	5,000	32	60	10	103780
PINK							
20/50	8.5 x 11	10	5,000	40	50	10	10338
	8.5 X 11 3-Hole Punched	10	5,000	40	50	10	10296
	8.5 x 14	12.72	5,000	30	64	10	10339
	11 x 17	20	2,500	40	50	5	10236
24/60	8.5 x 11	12	5,000	32	60	10	10446
SALMO	N						
20/50	8.5 x 11	10	5,000	40	50	10	103119
-	11 x 17	20	2,500	40	50	5	102103
24/60	8.5 x 11	12	5,000	32	60	10	103120
TAN							
20/50	8.5 x 11	10	5,000	40	50	10	102863
	11 x 17	20	2,500	40	50	5	102376
TURQUO	DISE						
20/50	8.5 x 11	10	5,000	40	50	10	103820
Δςςηρτ	MENT PACKS*						
20/50	8.5 x 11	10	5,000	40	50	10	10212
_0,00	8.5 x 11	10	0,000	+0	00	10	10264

<sup>\*</sup> Assortment packs include 100 sheets of blue, canary, pink, green, and ivory.

<sup>64</sup> For updates, visit ipstocksourcebook.com or download the International Paper Stock Source Guide.

## Hammermill® Color Laser Gloss

- Features 99.99% jam-free™ guarantee\*
  - 94 brightness, White
  - · Acid-free for added archival quality that extends the life of the document
  - Made in USA

## **Benefits**

- Gloss finish for photo-quality color
- Slick coating provides professional print-like quality
- Sharp, clear text

End Uses • Copies, memos, forms, manuals, reports, plain paper faxes, photographs, brochures, flyers, and image-rich presentations

Color

White

**Position** 

Premium #1 coated digital paper



The mark of responsible forestry



<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill® Color Laser Gloss

Cartons

## WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
Gloss	32/80	120	4.25	N/A	94	94	FSC	0%

BASIS	SIZE	WEIGHT/	SHEETS/	CARTON/	WEIGHT/	RMS/	STOCK
WEIGHT		M SHEETS	CARTON	Pallet	Carton	CTN	CODE
32/80	8.5 x 11	16	2,400	48	38	8	163110

## International Paper Relay™MP

- Features An economical multi-purpose office paper
  - 92 brightness
  - Great for high-volume needs
  - Excellent runnability and printability
  - Economically priced
  - · Acid-free for added archival quality that extends the life of the document
  - Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines
  - Made in USA

- Benefits Designed for high-and low-speed copiers and offset presses
  - Good surface sizing for good offset printability
  - · High opacity for minimal show-through
  - Flat, even surface for consistent ink and toner adhesion

End Uses • Copies, internal documents, forms, manuals, reports, plain paper faxes

Colors

White

Position • #1 xerographic MP





# International Paper Relay™ MP

Cartons

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTN	ESS	OPACITY	CERT.	PC FIBER
SM00TH	20/50	75	4.0	160	92		86	SFI	0%
BASIS WEIGHT	SIZE		WEIGHT/ M SHEETS		CARTON/ PALLET		IGHT/ RTON	RMS/ CTN	STOCK CODE
20/50	8.5 x 11		10	5,000	40		50	10	13020
		-Hole unched	10	5,000	40		50	10	00251
	8.5 x 14		12.72	5,000	30		64	10	13021
	11 x 17		20	2,500	40		50	5	13023



Springhill® Opaque Colors

The thrill of Springhill®.

Press performance.
Print performance.

Environmental performance.

## Springhill® Opaque Colors Quick Reference Guide

## **Springhill** Digital Opaque Colors

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Smooth	24/60	89	4.6	150	_	93	С	SFI
	28/70	104	5.2	150	_	95	С	SFI

## **Springhill® Opaque Colors**

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Smooth	20/50	74	4.1	150	_	90	C R	SFI
	24/60	89	4.6	150	_	93	C R	SFI
	28/70	104	5.2	150	_	95	С	SFI

## **Springhill** Digital Opaque Cover

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Vellum Colors	65	176	9.9	250	_	98	С	SFI

## **Springhill® Opaque Cover**

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Vellum Colors	65	176	9.9	250	_	98	С	SFI

SFI® indicates Sustainable Forestry Initiative® SFI® certified

C indicates Cartons

R indicates Rolls

## **Springhill® Digital Opaque Colors**

- **Features** 2 basis weights (24/60, 28/70 lb.)
  - 10% post-consumer fiber
  - Smooth, level finish
  - 10 popular colors, matching 10 of our Springhill Vellum Bristol Cover colors and 5 colors of Index, making an economical choice for text and cover combinations
  - Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers as well as plain-paper fax machines

## **Benefits**

- Excellent for color coding
- Capable of perfecting
- Flexible/versatile
- Acid-free for added archival quality that extends the life of the document

End Uses • Text pages of brochures, price lists, newsletters, direct mail, inserts, coupons

## Colors

• Blue, Canary, Cream, Goldenrod, Gray, Green, Ivory, Orchid, Pink, Tan









S	prina	ghill <sup>®</sup> Dig	aital O	paque	Colors
$\sim$					

Cartons

Shriiif	יט ווווון	iyita	ı Upa	ique co	1012		Ud	irtons
COLORS								
FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
SM00TH	24/60	89	4.6	150	_	93	SFI	10%
	28/70	104	5.2	150	_	95	SFI	10%
BASIS WEIGHT	SIZE	WE M S	EIGHT/ SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET	S	TOCK CODE
BLUE								
24/60	8.5 x 11	1	1.80	5,000	32	1,890	02	24034
	8.5 X 14	1!	5.02	5,000	24	1,802	02	24030
	11 x 17	23	3.62	2,500	32	1,890	02	24044
28/70	11 x 17	27	7.54	2,000	32	1,763	02	24156
CANARY	,							
24/60	8.5 X 11	1	1.80	5,000	32	1,890	02	4035
	8.5 x 14	1!	5.02	5,000	24	1,802	02	24031
	11 x 17	23	3.62	2,500	32	1,890	02	24045
28/70	8.5 X 11	13	3.76	4,000	32	1,738	02	4159
	11 x 17	27	7.54	2,000	32	1,763	02	24164
CREAM								
24/60	8.5 x 11	1	1.80	5,000	32	1,890	02	4036
	8.5 x 14	1!	5.02	5,000	24	1,802	02	4032
	11 x 17	23	3.62	2,500	32	1,890	02	24046
28/70	8.5 x 11	13	3.76	4,000	32	1,761	02	4070
	8.5 X 14	13	7.52	4,000	30	2,102	02	24071
	11 x 17	27	7.54	2,000	32	1,763	02	24068
GOLDEN	ROD							

	11 X 17	23.62	2,500	32	1,890	024047
GRAY						
24/60	8.5 x 11	11.80	5,000	32	1,890	024038
	8.5 x 14	15.02	5,000	24	1,802	024069
	11 x 17	23.62	2,500	32	1,890	024048
28/70	11 x 17	27.54	2,000	32	1,763	024166
GREEN						
24/60	8.5 x 11	11.80	5,000	32	1,890	024041
	8.5 x 14	15.02	5,000	24	1,802	024225
	11 x 17	23.62	2,500	32	1,890	024062

2,000

5,000

32

32

1,890

1,763

024037

024185

28/70

24/60

8.5 x 11

11 x 17

11.80

27.54

# Springhill<sup>®</sup> Digital Opaque Colors

Cartons

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTON/ PALLET	WEIGHT/ PALLET	STOCK CODE
IVORY						
24/60	8.5 x 11	11.80	5,000	32	1,890	024039
	8.5 x 14	15.02	5,000	24	1,802	024033
	11 x 17	23.62	2,500	32	1,890	024049
28/70	8.5 x 11	13.76	4,000	32	1,761	024157
	8.5 x 14	17.52	4,000	30	2,102	024160
	11 x 17	27.54	2,000	32	1,763	024158
ORCHID						
24/60	8.5 x 11	11.80	5,000	32	1,890	024040
	11 X 17	23.62	2,500	32	1,890	024061
PINK						
24/60	8.5 x 11	11.80	5,000	32	1,890	024042
	11 X 17	23.62	2,500	32	1,890	024063
TAN						
24/60	8.5 x 11	11.80	5,000	32	1,890	024043
	11 X 17	23.62	2,500	32	1,890	024064

## **Springhill® Opaque Colors**

## **Features**

- 3 basis weights (20/50, 24/60, 28/70 lb.)
- 10% post-consumer fiber
- Smooth, level finish
- 10 popular colors, matching 10 of our Springhill Vellum Bristol Cover colors and 5 colors of Index, making an economical choice for text and cover combinations
- Skid items available on a making basis
- Guaranteed to run on small and large offset presses, copiers, laser and inkjet printers, as well as plain-paper fax machines

## Benefits

- Excellent for color coding
- Capable of perfecting
- Flexible/versatile
- Acid-free for added archival quality that extends the life of the document

End Uses • Text pages of brochures, price lists, newsletters, direct mail, inserts, coupons

### Colors

• Blue, Canary, Cream, Goldenrod, Gray, Green, Ivory, Orchid, Pink, Tan









# Springhill<sup>®</sup> Opaque Colors

Cartons

•	n		n	DC
u	u	L	u	пo

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
SM00TH	50	74	4.1	150		90	SFI	10%
	60	89	4.6	150	_	93	SFI	10%
	70	104	5.2	150	_	95	SFI	10%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET	STOCK CODE
BLUE						
50	17.5 x 22.5	41	3,600	14	2,066	050400
	23 x 35	85	1,800	14	2,142	050408
	25 x 38	100	1,600	16	2,560	050424
60	17.5 x 22.5	50	3,200	14	2,240	050440
	23 x 35	102	1,500	14	2,142	050446
	25 x 38	120	1,200	18	2,592	050458
70	23 x 35	119	1,200	16	2,285	050476
CANARY	,					
50	17.5 x 22.5	41	3,600	14	2,066	050403
	23 x 35	85	1,800	14	2,142	050411
	25 x 38	100	1,600	16	2,560	050427
60	17.5 x 22.5	50	3,200	14	2,240	050443
	23 x 35	102	1,500	14	2,142	050449
	25 x 38	120	1,200	18	2,592	050461
70	23 x 35	119	1,200	16	2,285	050479
CREAM						
50	17.5 x 22.5	41	3,600	14	2,066	050549
	23 x 35	85	1,800	14	2,142	050550
	25 x 38	100	1,600	16	2,560	050551
60	17.5 x 22.5	50	3,200	14	2,240	050553
	23 x 35	102	1,500	14	2,142	050554
	25 x 38	120	1,200	18	2,592	050555
70	17.5 x 22.5	58	2,400	16	2,227	050557
	23 x 35	119	1,200	16	2,285	050558
GOLDEN	ROD					
50	17.5 x 22.5	41	3,600	14	2,066	050407
	23 x 35	85	1,800	14	2,142	050415
60	17.5 x 22.5	50	3,200	14	2,240	050523
	23 x 35	102	1,500	14	2,142	050525
	25 x 38	120	1,200	18	2,592	050526

CONTINUED

Spring	ghill <sup>®</sup> Opaq	ue Co	lors			Carton
GRAY						
50	23 x 35	85	1,800	14	2,142	050539
	25 x 38	100	1,600	16	2,560	050540
60	17.5 x 22.5	50	3,200	14	2,240	050542
	23 x 35	102	1,500	14	2,142	050543
	25 x 38	120	1,200	18	2,592	050544
70	23 x 35	119	1,200	16	2,285	050546
	25 x 38	140	1,000	18	2,520	050569
GREEN						
50	17.5 x 22.5	41	3,600	14	2,066	050401
	23 x 35	85	1,800	14	2,142	050409
	25 x 38	100	1,600	16	2,560	050425
60	17.5 x 22.5	50	3,200	14	2,240	050441
	23 x 35	102	1,500	14	2,142	050447
	25 x 38	120	1,200	18	2,592	050459
70	23 x 35	119	1,200	16	2,285	050477
IVORY						
50	17.5 X 22.5	41	3,600	14	2,066	050405
	23 x 35	85	1,800	14	2,142	050413
	25 x 38	100	1,600	16	2,560	050429
60	17.5 × 22.5	50	3,200	14	2,240	050444
	23 x 35	102	1,500	14	2,142	050450
	25 x 38	120	1,200	18	2,592	050462
70	17.5 x 22.5	58	2,400	16	2,227	050474
	23 x 35	119	1,200	16	2,285	050480
	25 x 38	140	1,000	18	2,520	050486
ORCHID						
60	23 x 35	102	1,500	14	2,142	024065
PINK						
50	17.5 x 22.5	41	3,600	14	2,066	050402
	23 x 35	85	1,800	14	2,142	050410
	25 x 38	100	1,600	16	2,560	050426
60	17.5 × 22.5	50	3,200	14	2,240	050442
	23 x 35	102	1,500	14	2,142	050448
	25 x 38	120	1,200	18	2,592	050460
TAN						
50	23 x 35	85	1,800	14	2,142	050414
60	23 x 35	102	1,500	14	2,142	050451
	25 x 38	120	1,200	18	2,592	050463

# Springhill Opaque Colors

Rolls

^	^		0	n	C
u	u	L	u	n	-3

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
SMOOTH	50	74	4.1	150	_	90	SFI	10%
	60	89	4.6	150	_	93	SFI	10%

		60	89	4.6	15	i0	_	_	93	SFI	10%
BASIS WEIG	GHT	WIDTI	ł	DIAMETE	R	AVG LI RO	N FT/ LL	AVG F	WEIGHT/ PALLET		TOCK ODE
BLUE											
50		11††		40		26,5	500		385	02	4641
		17		40		26,5	500		595	05	0081
		17.5		40		26,5	500		605	02	4015
		35		40		26,5	500	1	,234	02	4602
60		17		40		24,1	100		610	05	0076
		17.5		40		24,1	100		625	02	4024
CANARY	1										
50		11††		40		26,5	500		385	02	4642
		17		40		26,5	500		595	05	0082
		17.5		40		26,5	500		605	02	4016
		35		40		26,5	500	1	,234	02	4603
60		17		40		24,1	100		610	05	0077
		17.5		40		24,1	100		625	02	4021
		18		40		24,1	100		650	02	4617
CREAM											
50		11 <sup>††</sup>		40		26,5	500		385	02	4643
		17		40		26,5	500		595	02	4600
		35		40		26,5	500	1,234		02	4604
60		17		40		24,1	100		610	02	4601
		17.5		40		24,1	100		625	02	4022
		18		40		24,1	100		650	02	4610
GOLDEN	ROD	)									
<i>50</i>		17		40		26,5	500		595	05	0085
60		17.5		40		24,1	100		625	02	4023
GRAY											
50		17		40		26,5	500		595	05	0086
60		17		40		24,1	100		610	05	0800
GREEN											
50		17		40		26,5	500		595		0083
		35		40		26,5	500	1	,234	02	4636
60		11**		40		24,1	100		397	02	4640
		17.5		40		24,1	100		625	02	4020

Springl	hill® Opaq	ue Colo	rs		Rolls
IVORY					
50	17	40	26,500	595	050071
60	17	40	24,100	610	050078
	17.5	40	24,100	625	050057
	18	40	24,100	650	024616
PINK					
60	17.5	40	24,100	625	024019

## **Springhill** Digital Opaque Cover

- Features Sturdy cover basis weight (65 lb.)
  - 10% post-consumer fiber
  - Vellum finish
  - 5 popular colors match Springhill Opaque Colors
  - Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers as well as plain-paper fax machines that accept higher basis-weight and vellum finish papers

## **Benefits**

- Excellent for color coding
- Good for die-cutting, scoring and folding
- Acid-free for added archival quality that extends the life of the document

End Uses • Brochure covers, menus, tent cards, reply cards, report covers

## Colors

• Blue, Canary, Cream, Green, Ivory









# Springhill<sup>®</sup> Digital Opaque Cover

Cartons

-	'n	0	n	C

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
VELLUM	65	176	9.9	250	_	98	SFI	10%
BASIS WEIGHT	SIZE		/EIGHT/ SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET	WEIGHT/ STOC PALLET CODE	
BLUE								
65	8.5 x 11	2	23.36	2,500	32	1,869	0	14052
CANARY								
65	8.5 x 11	2	23.36	2,500	32	1,869	0	14051
CREAM								
65	8.5 x 11	2	23.36	2,500	32	1,869	0	14054
GREEN								
65	8.5 x 11	2	23.36	2,500	32	1,869	0	14050
IVORY								
65	8.5 x 11	2	23.36	2,500	32	1,869	0	14053
	11 x 17	4	16.75	1,000	48	2,244	0	14072

## **Springhill® Opaque**

- Features Sturdy cover basis weight (65 lb.)
  - 10% post-consumer fiber
  - Vellum finish
  - 5 popular colors match Springhill Opaque Colors

## **Benefits**

- Excellent for color coding
- Good for die-cutting, scoring and folding
- Acid-free for added archival quality that extends the life of the document

End Uses • Brochure covers, menus, tent cards, reply cards, report covers

## Colors

• Blue, Canary, Cream, Green, Ivory





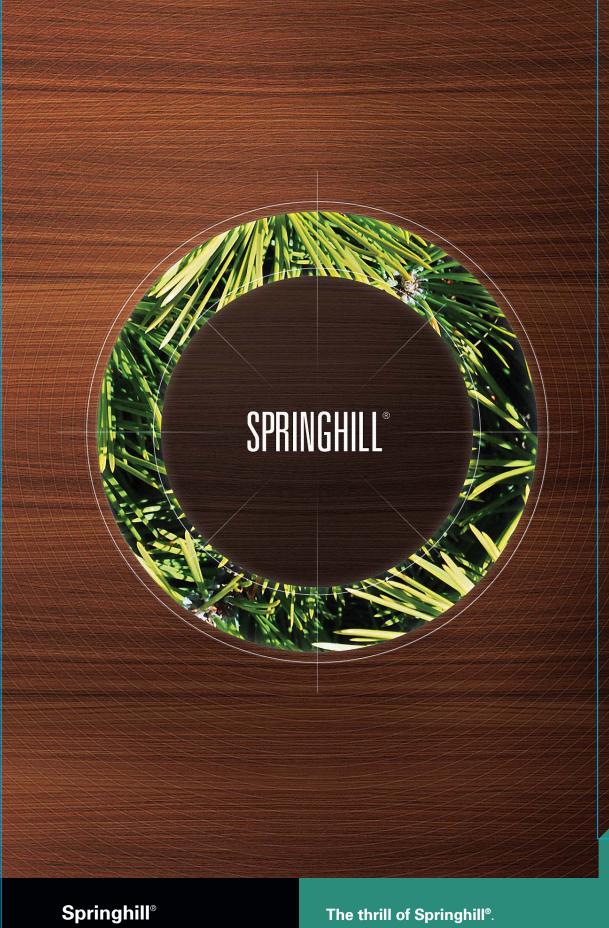


# Springhill<sup>®</sup> Opaque Cover

Cartons

COL	ODC

0020110								
FINISH	BASIS WT.	GSM	CALIPER	<b>SMOOTHNESS</b>	BRIGHTNESS	OPACITY	CERT.	PC FIBER
VELLUM	65	176	9.9	250	_	98	SFI	10%
BASIS WEIGHT	SIZE		/EIGHT/ SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET		STOCK CODE
BLUE								
65	23 x 35		201	750	12	1,809	0	14058
CANARY	,							
65	23 x 35		201	750	12	1,809	0	14057
CREAM								
65	23 x 35		201	750	12	1,809	0	14060
GREEN								
65	23 x 35		201	750	12	1,809	0	14056
IVORY								
65	23 x 35		201	750	12	1,809	0	14059



Springhill® Uncoated Bristols

Press performance.

Print performance.

Environmental performance.

## **Springhill**<sup>®</sup> Uncoated Bristols Quick Reference Guide

## **Springhill** Digital Index

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Index White	90	163	7.6	130	92	97	С	SFI
	110	199	9.5	130	92	98	С	SFI
Index Colors	90	163	7.6	130	_	97+	С	SFI
	110	199	9.5	150	_	98+	С	SFI

## **Springhill® Index**

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Index White	90	163	7.6	130	92	97	C S	SFI
	110	199	9.5	130	92	98	C S	SFI
Index Colors	90	163	7.6	130	_	97+	С	SFI
	110	199	9.5	150	_	98+	С	SFI
	140	253	11.4	150	_	99+	С	SFI

## **Springhill** Digital Vellum Bristol Cover

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Vellum White	67	147	8.8	300	92	97	С	SFI
	80	175	10.3	300	92	98	С	SFI
Vellum Colors	67	147	8.8	300	_	97+	С	SFI

## **Springhill® Vellum Bristol Cover**

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Vellum White	67	147	8.8	300	92	97	C S	SFI
	80	175	10.3	300	92	98	С	SFI
Vellum Colors	67	147	8.8	300	_	97+	С	SFI

## **Springhill®** Tag

TAG	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
White	100	163	7.7	160	82	97	C S	SFI
	125	203	9.7	160	82	98	C S	SFI
	150	244	11.5	145	82	98	С	SFI
	175	285	13.0	135	82	99	С	SFI
	200	326	15.0	145	82	99	С	SFI
Manila	100	163	7.7	160	_	97	C S	SFI
	125	203	9.7	160	_	98	C S	SFI
	150	244	11.5	145	_	98	С	SFI
	175	285	13.0	135	_	99	С	SFI
	200	326	15.0	145	_	99	С	SFI

SFI® indicates Sustainable Forestry Initiative® SFI® certified

C indicates Cartons

S indicates Skids

## Springhill® Digital Index

## Features

- Designed specifically for "Electronic Image Guarantee"
- 2 basis weights (90, 110 lb.)
- 92 brightness, White
- 4 sizes (8.5 x 11", 8.5 x 14", 9 x 11", 11 x 17")
- Smooth, hard surface
- 10% post-consumer fiber
- Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines that accept higher basis-weight papers
- 5 colors match Vellum Bristol Cover: Blue, Canary, Gray, Green, Ivory

### **Benefits**

- Good ink holdout, snap and resistance
- Exceptional die-cutting, scoring and folding characteristics
- Attractive Blue-White shade for good image contrast
- 90 lb. Index meets USPS regulations for 7 pt. reply cards
- 110 lb. Index meets USPS regulations for 9 pt. reply
- Acid-free for added archival quality that extends the life of the document

**End Uses** • Index systems, file cards, case records, ruled forms, menus, brochure covers, direct mail, counter displays

### Colors

• White, Blue, Buff, Canary, Cherry, Gray, Green, Ivory, Salmon









# Springhill Digital Index White

Cartons

## WHITE

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
INDEX	90	163	7.6	130	92	97	SFI	10%
WHITE	110	199	9.5	130	92	98	SFI	10%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ Pallet	WEIGHT/ PALLET	STOCK CODE
90	8.5 x 11	21.62	2,000	56	2,424	015101
	8.5 x 14	27.54	2,500	36	2,479	015114
	9 x 11	22.90	2,500	48	2,749	015105
	11 x 17	43.27	1,000	56	2,423	015110
110	8.5 x 11	26.44	2,000	40	2,115	015300
	8.5 x 14	33.66	2,000	30	2,020	015314
	9 x 11	28.00	2,000	48	2,688	015311
	11 x 17	52.88	1,000	40	2,115	015334

# Springhill® Digital Index Colors

Cartons

COLORS								
PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
INDEX	90	163	7.6	130	_	97+	SFI	10%
WHITE	110	199	9.5	150	_	98+	SFI	10%
BASIS WEIGHT	SIZE		EIGHT/ SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET		STOCK CODE
BLUE								
90	8.5 x 11	2	1.62	2,500	48	2,597	0	25100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	25300
	11 x 17	5	2.88	1,000	48	2,538	0	25320
BUFF								
90	8.5 x 11	2	1.62	2,500	48	2,597	0	55100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	55300
CANARY	,						,	
90	8.5 x 11	2	1.62	2,500	48	2,597	0	35100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	35300
	11 x 17	5	2.88	1,000	48	2,538	0	35320
CHERRY								
90	8.5 x 11	2	1.62	2,500	48	2,597	0	75100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	75300
GRAY								
110	8.5 x 11	2	6.44	2,000	48	2,538	0	65300
GREEN								
90	8.5 x 11	2	1.62	2,500	48	2,597	0	45100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	45300
	11 x 17	5	2.88	1,000	48	2,538	0	45320
IVORY								
90	8.5 x 11	2	1.62	2,500	48	2,597	0	56100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	56300
	11 x 17	5	2.88	1,000	48	2,538	0	56320
SALMON								
90	8.5 x 11	2	1.62	2,500	48	2,597	0	85100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	85300

## Springhill® Index

### Features

- Versatile paper
- 3 basis weights (90, 110, 140 lb.)
- 92 brightness, White
- Durable, stiff and resistant
- Smooth, hard surface
- 10% post-consumer fiber
- 5 colors match Springhill Vellum Bristol Cover: Blue, Canary, Gray, Green, Ivory

## **Benefits**

- Good ink holdout, snap and resistance
- Exceptional die-cutting, scoring and folding characteristics
- Attractive Blue-White shade for good image contrast
- 90 lb. Index meets USPS regulations for 7 pt. reply cards
- 110 lb. Index meets USPS regulations for 9 pt. reply
- Acid-free for added archival quality that extends the life of the document

End Uses • Index systems, file cards, case records, ruled forms, menus, direct mail, counter displays, folders

### Colors

 White, Blue, Buff, Canary, Cherry, Gray, Green, Ivory, Salmon







# Springhill<sup>®</sup> Index White

Cartons

## WHITE

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
INDEX	90	163	7.6	130	92	97	SFI	10%
WHITE	110	199	9.5	130	92	98	SFI	10%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ Pallet	WEIGHT/ Pallet	STOCK CODE
90	20.5 x 24.75	117	1,000	14	1,638	015130
	22.5 x 28.5	148	500	32	2,368	015135
	22.5 x 35	182	500	28	2,548	015145
	24 x 36	200	500	24	2,400	015120
	25.5 x 30.5	180	500	28	2,520	015165
110	17.5 x 22.5	111	1,000	20	2,220	015315
	20.5 x 24.75	144	500	20	1,440	015330
	22.5 X 28.5	181	500	20	1,810	015335
	25.5 x 30.5	220	500	20	2,200	015365
	22.5 x 35	223	500	20	2,230	015345
	24 x 36	244	500	20	2,440	015344

# Springhill® Index White

Skids

## WHITE

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
INDEX	90	163	7.6	130	92	97	SFI	10%
WHITE	110	199	9.5	130	92	98	SFI	10%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
90	24 x 36	200	12,000	2,400	015355
110	22.5 X 35	223	12,000	2,676	015445

Spring	ahill®	Index	Col	ors
Ориш	3 111111	IIIUUA	UU	UIS

Cartons

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBE
INDEX	90	163	7.6	130	—	97+	SFI	10%
COLORS	110	199	9.5	150	_	98+	SFI	10%
	140	253	11.4	150	_	99+	SFI	10%
BASIS WEIGHT	SIZE	W M S	EIGHT/ Sheets	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET		STOCK CODE
BLUE								
90	30.5 X 25	.5	180	500	28	2,520	0	25175
	22.5 X 35		182	500	28	2,548	0	25145
110	30.5 x 25.	.5	220	500	24	2,640	0	25375
	22.5 x 35		223	500	24	2,676	0	25345
140	22.5 x 35		284	500	18	2,547	0	25545
BUFF								
90	22.5 x 35		182	500	28	2,548	0	55145
110	30.5 x 25.	.5	220	500	24	2,640	0	55375
	22.5 x 35		223	500	24	2,676	0	55345
CANARY	•							
90	30.5 X 25	.5	180	500	28	2,520	0	35175
	22.5 X 35		182	500	28	2,548	0	35145
110	30.5 x 25.	.5	220	500	24	2,640	0	35375
	22.5 x 35		223	500	24	2,676	0	35345
140	22.5 x 35		284	500	18	2,547	0	35545
CHERRY								
90	22.5 X 35		182	500	28	2,548	0	75145
110	22.5 x 35		223	500	24	2,676	0	75345
GRAY								
90	22.5 X 35		182	500	28	2,548	0	65145
110	22.5 X 35		223	500	24	2,676	0	65345
140	22.5 x 35		284	500	18	2,547	0	65545
GREEN								
90	22.5 x 35		182	500	28	2,548		45145
110	22.5 x 35		223	500	24	2,676	0	45345
140	22.5 x 35		284	500	18	2,547	0	45545
IVORY								
90	22.5 x 35		182	500	28	2,548	0	56145
110	22.5 x 35		223	500	24	2,676	0	56345
140	22.5 x 35		284	500	18	2,547	0	56545

500

500

28

24

2,548

2,676

085145

085345

**SALMON** 

90

110

90

22.5 x 35

22.5 x 35

182

223

## Springhill Digital Vellum Bristol Cover

### **Features**

- Designed specifically for "Electronic Image Guarantee"
- 2 basis weights (67, 80 lb.)
- 92 brightness, White
- 3 sizes (8.5 x 11", 8.5 x 14", 11 x 17")
- Soft, toothy finish
- 10% post-consumer fiber
- Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines that accept higher basis-weight and vellum finish papers
- 5 colors match Springhill Index: Blue, Canary, Gray, Green, Ivory

## **Benefits**

- Good ink holdout, fast drying
- Excellent for die-cutting, scoring and folding
- 67 lb. Digital Vellum Bristol Cover meets USPS regulations for 7 pt. reply cards
- 80 lb. Digital Vellum Bristol Cover meets USPS regulations for 9 pt. reply cards
- 80 lb. weight is equivalent to a 65 lb. Cover, 67 lb. weight is equivalent to 55 lb. Cover or 100 lb. Text
- Acid-free for added archival quality that extends the life of the document

**End Uses** • Brochures, direct mail, greeting and mailing cards, tent cards, menus, announcements

### Colors

 White, Blue, Canary, Cream, Goldenrod, Gray, Green, Ivory, Orchid, Peach, Pink, Tan









# Springhill® Digital Vellum Bristol Cover White Cartons

## WHITE

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
VELLUM	67	147	8.8	300	92	97	SFI	10%
WHITE	80	175	10.3	300	92	98	SFI	10%
BASIS WEIGHT	SIZE		EIGHT/ SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET	_	STOCK CODE
67	8.5 x 11	19	.52	2,000	48	1,876	0	16000
	8.5 x 14	24	.86	2,000	36	1,791	0	16002
	11 x 17	39	.06	1,000	48	1,876	0	16004
80	8.5 x 11	23	.32	2,000	40	1,866	0	16200
	11 x 17	46	.64	1,000	40	1,866	0	16204

# Springhill® Digital Vellum Bristol Cover Colors Cartons

COLORS								
PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBE
VELLUM	67	147	8.8	300	_	97+	SFI	10%
BASIS WEIGHT	SIZE		EIGHT/ SHEETS	SHEETS/ CARTON	CARTON/ Pallet	WEIGHT/ PALLET		STOCK CODE
BLUE								
67	8.5 x 11	19	).52	2,000	48	1,875	02	26000
	11 x 17	39	0.06	1,000	48	1,875	02	26004
CANARY	1							
67	8.5 x 11	19	).52	2,000	48	1,875	03	36000
	11 x 17	39	0.06	1,000	48	1,875	0	36004
CREAM								
67	8.5 x 11	19	).52	2,000	48	1,875	09	97000
	11 x 17	39	0.06	1,000	48	1,875	09	97004
GOLDEN	IROD							
67	8.5 x 11	19	).52	2,000	48	1,875	08	86008
	11 x 17	39	0.06	1,000	48	1,875	08	86004
GRAY								
67	8.5 x 11	19	).52	2,000	48	1,875	0(	66000
	11 x 17	39	0.06	1,000	48	1,875	0(	66004
GREEN								
67	8.5 x 11	19	).52	2,000	48	1,875	04	46000
	11 x 17	39	0.06	1,000	48	1,875	04	46004
IVORY								
67	8.5 x 11	19	).52	2,000	48	1,875	0;	56000
	11 x 17	39	0.06	1,000	48	1,875	0;	56004
ORCHID								
67	8.5 x 11	19	).52	2,000	48	1,875	0!	57000
PEACH								
67	8.5 x 11	19	).52	2,000	48	1,875	0!	58000
PINK								
67	8.5 x 11	19	).52	2,000	48	1,875	0	76000
	11 x 17	39	0.06	1,000	48	1,875	0	76004
TAN								
67	8.5 x 11	19	).52	2,000	48	1,875	09	96000

## Springhill<sup>®</sup> Vellum Bristol Cover

### Features

- A dual purpose Bristol with the bulk and feel of a premium cover stock
  - 2 basis weights (67, 80 lb.)
  - 92 brightness, White
- Soft, toothy finish
- 10% post-consumer fiber
- 5 colors match Springhill Index: Blue, Canary, Gray, Green, Ivory

## Benefits

- Good ink holdout, fast drying
- Excellent for die-cutting, scoring and folding
- 67 lb. Digital Vellum Bristol Cover meets USPS regulations for 7 pt. reply cards
- 80 lb. Digital Vellum Bristol Cover meets USPS regulations for 9 pt. reply cards
- 80 lb. weight is equivalent to a 65 lb. Cover, 67 lb. weight is equivalent to 55 lb. Cover or 100 lb. Text
- Acid-free for added archival quality that extends the life of the document

**End Uses** • Brochures, direct mail, greeting and mailing cards, tent cards, menus, announcements

### Colors

• White, Blue, Canary, Cream, Goldenrod, Gray, Green, Ivory, Orchid, Peach, Pink, Tan







# Springhill® Vellum Bristol Cover White

Cartons

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
VELLUM	67	147	8.8	300	92	97	SFI	10%
WHITE	80	175	10.3	300	92	98	SFI	10%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTON/ Pallet	WEIGHT/ Pallet	STOCK CODE
67	23 x 35	168	500	24	2,016	016055
	26 x 40	218	500	12	1,308	016070
80	23 x 35	201	500	20	2,010	016255
	26 x 40	260	500	12	1,560	016270

# Springhill<sup>®</sup> Vellum Bristol Cover White

Skids

## WHITE

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
VELLUM	67	147	8.8	300	92	97	SFI	10%

BASIS WEIGHT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
67	23 x 35	168	13,000	2,184	016155

### **COLORS**

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
VELLUM	67	147	8.8	300	_	97+	SFI	10%
BASIS WEIGHT	SIZE	W M S	EIGHT/ SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET	'	STOCK CODE
BLUE								
67	23 x 35		168	500	24	2,016	0	26055
	26 x 40		218	500	12	1,308	0	26070
CANARY								
67	23 x 35		168	500	24	2,016	0	36055
	26 x 40		218	500	12	1,308	0	36070
CREAM								
67	23 x 35		168	500	24	2,016	0	97055
GOLDEN	ROD							
67	23 x 35		168	500	24	2,016	0	86055
GRAY								
67	23 x 35		168	500	24	2,016	0	66055
GREEN								
67	23 x 35		168	500	24	2,016	0	46055
IVORY								
67	23 x 35		168	500	24	2,016	0	56055
	26 x 40		218	500	12	1,308	0	56070
ORCHID								
67	23 x 35		168	500	24	2,016	0	57055
PEACH								
67	23 x 35		168	500	24	2,016	0	58055
PINK								
67	23 x 35		168	500	24	2,016	0	76055
TAN								
67	23 X 35		168	500	24	2,016	0	96055

## **Springhill® Tag**

- Features Excellent durability, stiffness and bulk
  - 5 basis weights (100, 125, 150, 175, 200 lb.)
  - 82 brightness, Blue-White shade
  - Available in White and Manila

## **Benefits**

- Good for die-cutting, scoring and folding
- High tear strength, stiffness and folding strength
- 100 lb. Tag White and Manila meets USPS regulations for 7 pt. reply cards
- 125 lb. Tag White and Manila meets USPS regulations for 9 pt. reply cards
- Acid-free for added archival quality that extends the life of the document

End Uses • Menus, counter and store displays, time cards, tags, ruled forms, folders, catalog covers, postcards

## Colors

• White, Manila





# Springhill® Tag White and Manila

Cartons )

## WHITE AND MANILA

TAG	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
WHITE	100	163	7.7	160	82	97	SFI	0%
	125	203	9.7	160	82	98	SFI	0%
	150	244	11.5	145	82	98	SFI	0%
	175	285	13.0	135	82	99	SFI	0%
	200	326	15.0	145	82	99	SFI	0%
MANILA	100	163	7.7	160	_	97	SFI	0%
	125	203	9.7	160	_	98	SFI	0%
	150	244	11.5	145	_	98	SFI	0%
	175	285	13.0	135	_	99	SFI	0%
	200	326	15.0	145	_	99	SFI	0%

BASIS WEIGHT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ Pallet	WEIGHT/ PALLET	STOCK CODE
WHITE						
100	22.5 x 28.5	148	500	32	2,368	017135
	24 x 36	200	500	24	2,400	017157
125	22.5 X 28.5	186	500	24	2,232	017335
	24 x 36	250	500	18	2,250	017357
150	22.5 X 28.5	223	500	18	2,007	017535
	24 x 36	300	500	16	2,400	017557
175	22.5 X 28.5	260	500	18	2,340	017735
	24 x 36	350	250	28	2,450	017757
200	22.5 X 28.5	297	500	16	2,376	017935
	24 x 36	400	250	24	2,400	017957
MANILA	1					
100	22.5 x 28.5	148	500	32	2,368	007135
	24 x 36	200	500	24	2,400	007157
125	22.5 x 28.5	186	500	24	2,232	007335
	24 x 36	250	500	18	2,250	007357
150	22.5 x 28.5	223	500	18	2,007	007535
	24 x 36	300	500	16	2,400	007557
175	22.5 x 28.5	260	500	18	2,340	007735
	24 x 36	350	250	28	2,450	007757
200	22.5 x 28.5	297	500	16	2,376	007935
	24 x 36	400	250	24	2,400	007957

# Springhill Tag White and Manila

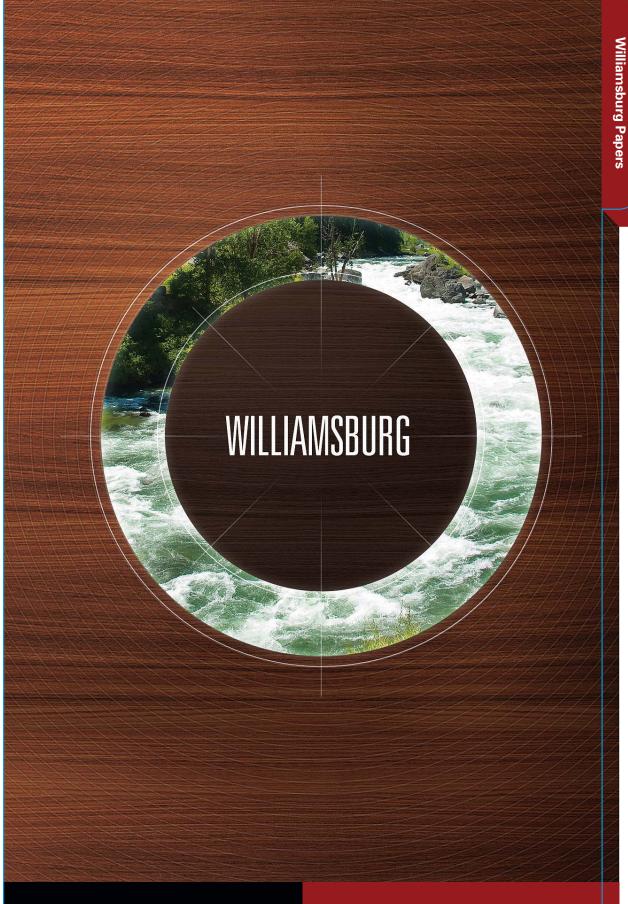
# Skids

#### WHITE AND MANILA

TAG	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
WHITE	100	163	7.7	160	82	97	SFI	0%
	125	203	9.7	160	82	98	SFI	0%
MANILA	100	163	7.7	160	_	97	SFI	0%
	125	203	9.7	160	_	98	SFI	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
WHITE					
100	24 x 36	200	12,000	2,400	017257
125	24 x 36	250	10,000	2,500	017457
MANILA					
100	24 x 36	200	12,000	2,400	007257
125	24 x 36	250	10,000	2,500	007457

Notes:	



Williamsburg Papers

A more perfect union between paper and printer

Reliability • Versatility Loyalty • Sustainability

## Williamsburg Quick Reference Guide

## Williamsburg Offset PLUS

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Smooth	20/50	74	3.9	150	94	90	С	SFI
	24/60	89	4.5	150	94	92	С	SFI
	28/70	104	5.3	150	94	94	С	SFI

### **Williamsburg Offset**

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Smooth	45	67	3.6	150	94	88	R	SFI
	20/50	74	3.9	150	94	90	C S R	SFI
	24/60	89	4.5	150	94	92	C S R	SFI
	28/70	104	5.3	150	94	94	C S	SFI
	32/80	118	6.0	150	94	95	C S	SFI
Vellum	20/50	74	4.3	250	94	90	R	SFI
	24/60	89	5.1	250	94	92	R	SFI

## **Williamsburg Recycled Offset**

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Smooth	20/50	74	3.9	150	92	90	S	SFI
	24/60	89	4.5	150	92	92	S	SFI
	28/70	104	5.3	150	92	94	S	SFI

### Williamsburg Return Postcard PLUS

GURLEY	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Low	75	111	7.4	330	92	95	С	SFI

## **Williamsburg Return Postcard**

GURLEY	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Low	75	111	7.4	330	92	95	C S R	SFI
Low	97	144	9.5	330	92	97	C R	SFI

SFI® indicates Sustainable Forestry Initiative® SFI® certified

C indicates Cartons

S indicates Skids

R indicates Rolls

## Williamsburg Offset *PLUS*

#### **Features**

- Digital
- 3 basis weights (50, 60, 70 lb.)
- Smooth finish
- 94 brightness, Blue-White shade
- Williamsburg Offset PLUS rolls available on a making basis
- Acid-free for added archival quality that extends the life of the document
- Guaranteed to run on small and large offset presses, digital imaging equipment including copiers, laser and inkjet printers as well as plain-paper fax machines

#### **Benefits**

- Superior runnability, uniform quality and excellent printability
- Excellent strength, bulk and stiffness

**End Uses** • Brochures, direct mail, bill stuffers, manuals, books, posters, place mats, financial statements, newsletters

#### Colors

White







# Williamsburg Offset PLUS Smooth

Cartons

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
SMOOTH	20/50	74	3.9	150	94	90	SFI	0%
	24/60	89	4.5	150	94	92	SFI	0%
	28/70	104	5.3	150	94	94	SFI	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTON/ Pallet	WEIGHT/ PALLET	STOCK CODE
50	11 x 17	19.68	2,500	40	1,968	05317
60	8.5 x 11	11.80	5,000	32	1,890	05324
	8.5 X 11 3-Hole Punched	11.80	5,000	32	1,890	05325
	8.5 x 14	15.02	4,000	30	1,802	05326
	11 x 17	23.62	2,500	32	1,890	05327
70	8.5 x 11	13.76	4,000	32	1,761	05335
	8.5 x 14	17.52	4,000	30	2,102	05336
	11 x 17	27.54	2,000	32	1,763	05337

## Williamsburg Offset

#### **Features**

- 5 basis weights (45, 50, 60, 70, 80 lb.)
- 2 finishes (Smooth, Vellum)
- 94 brightness, Blue-White shade
- Acid-free for added archival quality that extends the life of the document
- Forest Stewardship Council™ FSC® certified product available as a make request

#### **Benefits**

- · Superior runnability, uniform quality and excellent printability
- Excellent strength, bulk and stiffness
- Meets the ANSI/NISO Z39.48-1992 requirement for paper permanence and National Association of State Textbook Administrators (NASTSA) specifications
- Maximum height of 45" for press ready skids

**End Uses** • Brochures, direct mail, bill stuffers, manuals, books, posters, catalogs, place mats, financial statements, newsletters

### Colors

White





# Williamsburg Offset Smooth

Cartons

FINISH	BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
SMOOTH	20/50	74	3.9	150	94	90	SFI	0%
	24/60	89	4.5	150	94	92	SFI	0%
	28/70	104	5.3	150	94	94	SFI	0%
	32/80	118	6.0	150	94	95	SFI	0%

	32/00   1	10 0.0	130	34	33	311 070
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ Pallet	WEIGHT/ PALLET	STOCK CODE
50	17.5 x 22.5	41	4,200	14	2,411	05318
	19 x 25	50	3,400	16	2,720	05319
	23 x 29	70	2,000	14	1,960	05320
	23 x 35	85	1,800	14	2,142	05321
	25 x 38	100	1,600	16	2,560	05322
	28 x 40	118	1,300	10	1,534	05323
60	17.5 x 22.5	50	3,200	14	2,240	05328
	19 x 25	60	2,600	16	2,496	05329
	23 x 29	84	1,800	12	1,815	05330
	23 x 35	102	1,500	14	2,142	05331
	25 x 38	120	1,300	16	2,496	05332
	28 X 40	142	1,100	10	1,551	05333
70	17.5 x 22.5	58	2,400	14	1,949	05338
	19 x 25	70	2,000	16	2,240	05339
	23 x 29	98	1,500	12	1,764	05340
	23 x 35	119	1,300	16	2,475	05341
	25 x 38	140	1,100	18	2,772	05342
	28 x 40	166	1,000	10	1,660	05343
80	23 x 29	112	1,300	14	2,038	05344
	23 x 35	136	1,200	14	2,285	05345
	25 x 38	160	1,000	18	2,880	05346

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
SMOOTH	20/50	74	3.9	150	94	90	SFI	0%
	24/60	89	4.5	150	94	92	SFI	0%
	28/70	104	5.3	150	94	94	SFI	0%
	32/80	118	6.0	150	94	95	SFI	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
50	17.5 x 22.5*	41	20,000	820	17001
	19 x 25*	50	20,000	1,000	17015
	23 x 29	70	10,000	700	17016
	23 x 35	85	10,000	850	17002
	24 x 36	90	10,000	900	17017
	25 x 38	100	10,000	1,000	17003
	28 x 40	118	10,000	1,180	17004
60	17.5 X 22.5*	50	17,000	850	17005
	19 x 25*	60	17,000	1,020	17006
	23 x 29	84	8,500	714	17007
	23 x 35	102	8,500	867	17008
	24 x 36	110	8,500	935	17018
	25 x 38	120	8,500	1,020	17009
	28 x 40	142	8,500	1,207	17010
70	23 x 35	119	7,500	893	17011
	25 x 38	140	7,500	1,050	17012
	28 x 40	166	7,500	1,245	17013
80	25 x 38	160	6,500	1,040	17014

 $<sup>^{\</sup>ast}$  All press ready skids are 1 tier, with the exception of 17.5 x 22.5 and 19 x 25 which are 2 tiers.

# Williamsburg Offset Smooth

Rolls

#### WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
SM00TH	45	67	3.6	150	94	88	SFI	0%
	20/50	74	3.9	150	94	90	SFI	0%
	24/60	89	4.5	150	94	92	SFI	0%
	28/70	104	5.3	150	94	94	SFI	0%

BASIS WEIGHT	WIDTH	ROLL Diameter	AVG LIN FT/ROLL	AVG WT / ROLL	STOCK CODE
45	35	40	31,400	1,280	05457
50	11**	40	28,600	400	05365
	17**	40	28,600	619	05366
	17.5**	40	28,600	632	05367
	18**	40	28,600	660	05483
	23	40	28,600	839	05368
	35	40	28,600	1,270	05369
	35.5	40	28,600	1,285	05370
	23	50	45,000	1,289	05461
	35	50	45,000	1,981	05462
60	11**	40	24,500	397	05371
	17**	40	24,500	614	05372
	17.5**	40	24,500	631	05373
	18**	40	24,500	650	05374
	23	40	24,500	827	05375
	35	40	24,500	1,263	05376
	35.5	40	24,500	1,281	05377
	35	50	38,300	1,991	05464
70	17.5**	40	21,100	641	05458
	23	40	21,100	842	05459
	35	40	21,100	1,277	05460

# Williamsburg Offset Vellum

Rolls

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
VELLUM	20/50	74	4.3	150	94	90	SFI	0%
	24/60	89	5.1	250	94	92	SFI	0%

BASIS WEIGHT	WIDTH	ROLL Diameter	AVG LIN FT/ROLL	AVG WT / ROLL	STOCK CODE
50	11**	40	25,275	368	05390
	17**	40	25,275	589	05391
60	11**	40	20,800	374	05396
	17**	40	20,800	570	05397
	18**	40	20,800	621	05399

<sup>&</sup>quot;Rolls wrapped 2 per bundle.

## Williamsburg Recycled Offset

- **Features** 3 basis weights (50, 60, 70 lb.)
  - Smooth finish
  - 92 brightness, Blue-White shade
  - 30% post-consumer fiber
  - Acid-free for added archival quality that extends the life of the document

#### **Benefits**

- Superior runnability, uniform quality and excellent printability
- Excellent strength, bulk and stiffness
- Meets the ANSI/NISO Z39.48-1992 requirement for paper permanence and National Association of State Textbook Administrators (NASTSA) specifications
- Maximum height of 45" for press ready skids

**End Uses** • Brochures, direct mail, bill stuffers, manuals, books, posters, catalogs, place mats, financial statements, newsletters

### Colors

White







# Williamsburg Recycled Offset Smooth

Skids

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
SM00TH	20/50	74	3.9	150	92	90	SFI	30%
	24/60	89	4.5	150	92	92	SFI	30%
	28/70	104	5.3	150	92	94	SFI	30%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
50	23 x 35	85	10,000	850	17023
	25 x 38	100	10,000	1,000	17024
60	23 x 35	102	8,500	867	17030
	25 x 38	120	8,500	1,020	17031
70	25 x 38	140	7,500	1,050	17034

## Williamsburg Return Postcard PLUS

## Features • 7 pt.

- Hi-Bulk finish
- 92 brightness, Blue-White shade
- Cut-size version of Williamsburg Return Postcard
- Acid-free for added archival quality that extends the life of the document
- Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines that accept vellum finish papers

#### **Benefits**

- Superior runnability, uniform quality and excellent printability
- Excellent strength, bulk and stiffness
- Meets minimum USPS 7 pt. reply card specifications

**End Uses** • Reply cards, posters, menus, table tents

Colors White







# Williamsburg Return Postcard *PLUS*

Cartons

GURLEY	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
LOW	75	111	7.4	330	92	95	SFI	0%

POINTS	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTON/ Pallet	WEIGHT/ Pallet	STOCK CODE
7 pt.	8.5 x 11	14.76	2,500	48	1,771	05403
•	11 x 17	29.52	1,250	48	1,771	05404

## Williamsburg Return Postcard

- Features 7 pt., 9 pt. (Low Gurley)
  - Hi-Bulk finish
  - 92 brightness, Blue-White shade
  - Acid-free for added archival quality that extends the life of the document

#### **Benefits**

- Superior runnability, uniform quality and excellent printability
- Excellent strength, bulk and stiffness
- 7 pt. meets minimum USPS 7 pt. reply card specifications
- 9 pt. meets minimum USPS 9 pt. reply card specifications

End Uses • Reply cards, posters, menus, table tents

Colors

White





# Williamsburg Return Postcard

Cartons

#### WHITE

GURLEY	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
LOW	75	111	7.4	330	92	95	SFI	0%
LOW	97	144	9.5	330	92	97	SFI	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTON/ Pallet	WEIGHT/ Pallet	STOCK CODE
7 pt.	17.5 X 22.5	62	2,400	12	1,786	05405
-	23 x 29	105	1,100	14	1,617	05406
	23 x 35	127	1,200	12	1,829	05407
	25 x 38	150	1,000	14	2,100	05408
9 pt.	23 X 35	164	900	12	1,771	05465
	25 x 38	194	800	14	2,173	05466

## Williamsburg Return Postcard

Skids

#### WHITE

GURLEY	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
LOW	75	111	7.4	330	92	95	SFI	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE
7 pt.	23 x 35**	127	16,000	2,032	05409
•	25 x 38**	150	16,000	2,400	05410

<sup>\*\*</sup>Packed on splitable skids

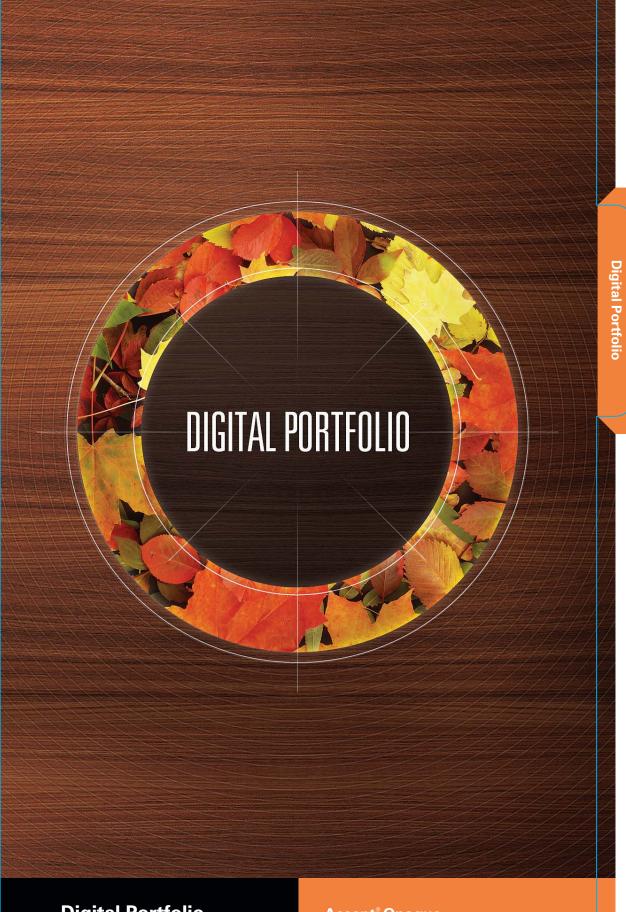
# Williamsburg Return Postcard

Rolls

#### WHIT

GURLEY	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
LOW	75	111	7.4	330	92	95	SFI	0%
LOW	97	144	9.5	330	92	97	SFI	0%

BASIS WEIGHT	WIDTH	ROLL Diameter	AVG LIN FT/ROLL	AVG WT / ROLL	STOCK CODE
7 pt.	17.5	40	16,000	535	05414
•	18	40	16,000	550	05488
	35	40	16,000	1,006	05417



**Digital Portfolio** 

Accent<sup>®</sup> Opaque Carolina® **Hammermill**® **Springhill**<sup>®</sup> Williamsburg

# Digital Portfolio Quick Reference Guide

### **Accent® Opaque Digital**

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
White	20/50	74	3.9	120	96	92.0	С	FSC
Smooth	24/60	89	4.7	120	96	93.5	С	FSC
	28/70	104	5.4	120	96	94.5	C	FSC
	32/80	118	6.2	130	96	96.0	С	FSC
	40/100	148	7.6	130	96	97.0	C	FSC
Warm White	24/60	89	4.7	120	_	93.5	С	FSC
Smooth	28/70	104	5.4	120		94.5	C	FSC
	32/80	118	6.2	130	_	96.0	С	FSC
White Super	24/60	89	4.0	60	96	93.0	C	FSC
Smooth .	28/70	104	4.8	60	96	94.5	C S	FSC
	32/80	118	5.6	60	96	96.0	C S	FSC
	40/100	148	6.8	60	96	97.0	C S	FSC
White Cover	65	176	8.8	135	96	98.0	С	FSC
Smooth	80	216	10.9	145	96	99.0	C	FSC
	100	271	13.9	155	96	99.0	C	FSC
	120	325	16.0	130	96	99.0	C S	FSC
White	65	176	8.0	80 *[60]	96	98.0	С	FSC
Cover Super	80	216	10.0	80 *[60]	96	99.0	C S	FSC
Smooth .	100	271	12.0	60	96	99.0	C S	FSC
Warm White	65	176	8.0	60	_	98.0	С	FSC
Cover Super Smooth	80	216	10.0	60	_	99.0	С	FSC
Silloutii	100	271	12.0	60	_	99.0	С	FSC

<sup>\*[60]</sup> indicates 60 smoothness on specific skus

### **Accent® Opaque Digital RE-30**

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
<b>Text Smooth</b>	24/60	89	4.7	120	95	93.5	С	FSC

#### Carolina® Digital C2S and C1S Cover

FINISH	BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	STOCK	CERT.
Gloss C2S	144	234	10.0	55	94	_	С	SFI
	165	269	12.0	55	94	_	С	SFI
	188	306	14.0	55	94	_	С	SFI
Gloss C1S	133	216	10.0	55	94	_	С	SFI
	155	252	12.0	55	94	_	С	SFI

### Hammermill<sup>®</sup> Color Copy Digital Text and Cover

TEXT	FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Photo	Smooth	28/70	105	4.7	40	100	94	0%	FSC
White	Smooth	32/80	120	5.4	40	100	96	0%	FSC
COVER	FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Photo	Smooth	60	162	6.5	30	100	97	0%	FSC
White	Smooth	80	216	8.9	30	100	98	0%	FSC
	Smooth	100	271	10.5	50	100	99	0%	FSC

#### Hammermill® Laser Print

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	PC FIBER	CERT.
Smooth	24/60	90	4.1	50	98	92	0%	FSC
	28/70	105	4.7	50	98	94	0%	FSC
	32/80	120	5.2	50	98	96	0%	FSC

## **Springhill** Digital Opaque Colors

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Smooth	24/60	89	4.6	150	_	93	С	SFI
	28/70	104	5.2	150	_	95	С	SFI

### Springhill® Digital Opaque Cover

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
<b>Vellum Colors</b>	65	176	9.9	250	_	98	С	SFI

### **Springhill® Digital Index**

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Index White	90	163	7.6	130	92	97	С	SFI
	110	199	9.5	130	92	98	С	SFI
Index Colors	90	163	7.6	130	_	97+	С	SFI
	110	199	9.5	150	_	98+	С	SFI

## Springhill Digital Vellum Bristol Cover

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Vellum White	67	147	8.8	300	92	97	С	SFI
	80	175	10.3	300	92	98	С	SFI
<b>Vellum Colors</b>	67	147	8.8	300	_	97+	С	SFI

### Williamsburg Offset Plus

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Smooth	20/50	74	3.9	150	94	90	С	SFI
	24/60	89	4.5	150	94	92	С	SFI
	28/70	104	5.3	150	94	94	С	SFI

### Williamsburg Return Postcard Plus

GI	URLEY	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	STOCK	CERT.
Le	ow	75	111	7.4	330	92	95	С	SFI

FSC® indicates Forest Stewardship Council® FSC® certified SFI® indicates Sustainable Forestry Initiative® SFI® certified C indicates Cartons S indicates Skids

## Accent® Opaque Digital Text and Cover

#### Features

- 9 basis weights: (50, 60, 70, 80, 100 lb. Text; 65, 80, 100, 120 lb. Cover)
- Available in short and long grain
- 2 finishes (Smooth and Super Smooth)
- Standard and non-standard cut-sizes
- 2 whites (96 brightness, enhanced whiteness White and Warm White)
- Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines
- HP® Indigo® certified
- Accent Opaque Digital Text and Cover have HP® Indigo® certified 3 star ratings
- Acid-free for added archival quality that extends the life of the document

#### Benefits

- Smooth surface for proper ink holdout
- Excellent opacity for minimal show-through
- High brightness and preferred Blue-White shade provide excellent contrast
- Designed specifically for "Electronic Image Guarantee"

End Uses • Manuals, booklets, short run color, direct mail, financial data, posters, sell sheets, brochures

All Accent Text sheets are now Forest Stewardship Council® (FSC®) certified Accent rolls are Sustainable Forestry Initiative® certified









Certified for **HP Indigo** 



# Accent® Opaque Digital Text Smooth

# Cartons

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
20/50	74	3.9	120	96	92.0	FSC	0%
24/60	89	4.7	120	96	93.5	FSC	0%
28/70	104	5.4	120	96	94.5	FSC	0%
32/80	118	6.2	130	96	96.0	FSC	0%
40/100	148	7.6	130	96	97.0	FSC	0%

Based on 25"x 38" sheet size

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE
20/50	8.5 x 11	9.84	5,000	40	1,968	109330
	11 x 17	19.68	2,500	40	1,968	109371
	12 x 18	22.72	2,500	32	1,818	188082
24/60	8.5 x 11	11.80	5,000	32	1,890	109355
	8.5 x 11 <sup>3-Hole</sup> Punched	11.80	5,000	32	1,890	131128
	8.5 x 14	15.02	5,000	24	1,802	188033
	11 x 17	23.62	2,500	32	1,890	109397
	12 x 18	27.28	2,000	32	1,746	188083
	14 x 20	35.36	1,600	36	2,037	188087
28/70	8.5 x 11	13.76	4,000	32	1,761	109363
	8.5 x 11 3-Hole Punched	13.76	4,000	32	1,761	188010
	11 x 17	27.54	2,000	32	1,763	109405
	12 x 18	31.82	2,000	32	2,036	188084
	14 x 20	41.26	1,600	36	2,377	188088
32/80	8.5 x 11	15.74	3,200	32	1,612	188100
	11 x 17	31.48	1,600	32	1,612	188080
	12 x 18	36.36	1,600	32	1,862	188085
	14 x 20	47.14	1,250	30	1,768	188089
40/100	8.5 x 11	19.68	2,500	32	1,574	188101
	11 x 17	39.36	1,250	32	1,574	188081
	12 x 18	45.46	1,250	32	1,818	188086

# Accent® Opaque Digital Text Smooth

Cartons

#### **WARM WHITE**

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
24/60	89	4.7	120	_	93.5	FSC	0%
28/70	104	5.4	120	_	94.5	FSC	0%
32/80	118	6.2	130	_	96.0	FSC	0%

Based on 25"x 38" sheet size

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ Pallet	STOCK CODE
24/60	8.5 x 11	11.80	5,000	32	1,890	188123
	8.5 x 14	15.02	5,000	24	1,802	188126
	11 x 17	23.62	2,500	32	1,890	188124
	12 x 18	27.28	2,000	32	1,746	188175
28/70	8.5 x 11	13.76	4,000	32	1,761	188176
	8.5 x 14	17.52	4,000	30	2,102	188127
	11 x 17	27.54	2,000	32	1,763	188125
	12 x 18	31.82	2,000	32	2,036	188177
32/80	12 x 18	36.36	1,600	32	1,862	188178

# Accent® Opaque Digital Text Super Smooth

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
24/60	89	4.0	60	96	93.0	FSC	0%
28/70	104	4.8	60	96	94.5	FSC	0%
32/80	118	5.6	60	96	96.0	FSC	0%
40/100	148	6.8	60	96	97.0	FSC	0%

Based on 25"x 38" sheet size

Accent	Accent® Opaque Digital Text Super Smooth									
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ Pallet	WEIGHT/ Pallet	STOCK CODE				
24/60	12 x 18***	27.28	2,000	32	1,746	189023				
	13 x 19***	31.20	2,000	32	1,997	189033				
28/70	12 x 18***	31.82	1,800	32	1,833	189024				
	13 x 19***	36.40	1,800	32	2,097	189034				
32/80	12 x 18***	36.36	1,500	32	1,745	189025				
	13 x 19***	41.60	1,500	32	1,997	189035				
40/100	12 x 18***	45.46	1,250	32	1,818	189026				
	13 x 19***	52.00	1,250	32	2,080	189036				

<sup>\*\*\*</sup>Indicates this sku is HP® Indigo® 3 star rated

#### Skids Accent® Opaque Digital Text Super Smooth BASIS WEIGHT WEIGHT/ M SHEETS SHEETS/ WEIGHT/ **STOCK** SKID CODE SIZE **SKID** 29.5 x 20.8125 78 8,500 663 191146 24/60 29.5 x 20.8125 90 6,800 612 28/70 191147 32/80 29.5 x 20.8125 103 5,800 597 191148 29.5 x 20.8125 129 4,800 619 191149 40/100

Max skid height of 39"

# Accent® Opaque Digital Cover Smooth

#### WHITE

BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
65	176	8.8	135	96	98.0	FSC	0%
80	216	10.9	145	96	99.0	FSC	0%
100	271	13.9	155	96	99.0	FSC	0%
120	325	16.0	130	96	99.0	FSC	0%

Based on 20"x 26" sheet size

Accent	t® Opaque Dig	gital Cove	<b>r</b> Smooth			Cartons
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ Pallet	WEIGHT/ PALLET	STOCK CODE
65	8.5 x 11	23.36	2,500	32	1,870	188560
	17 x 11	46.74	1,250	32	1,870	188570
	18 x 12	54.00	1,250	32	2,160	188094
80	8.5 x 11	28.76	2,000	32	1,841	131482
	17 x 11	57.52	1,000	32	1,841	188092
	18 x 12	66.46	1,000	32	2,127	188095
	19 x 13	76.00	800	32	1,946	188070
	20 x 14	86.14	800	30	2,067	188099
100	8.5 x 11	35.96	1,600	32	1,841	188091
	17 x 11	71.92	800	32	1,841	188093
	18 x 12	83.06	800	32	2,126	188096
	19 x 13	95.00	600	32	1,824	188072
	20 x 14	107.68	600	30	1,938	188098
	20 x 26	200	800	14	2,240	188136
120	8.5 x 11	43.14	1,200	32	1,657	188179
	18 x 12***	99.68	500	32	1,595	189030
	19 x 13***	114.00	500	32	1,824	189040

<sup>\*\*\*</sup>Indicates this sku is HP® Indigo® 3 star rated

Accent® Opaque Digital Cover Smooth									
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE				
120	20.8125 x 29.5	283	2,000	566	191160				

Max skid height of 39"

# Accent® Opaque Digital Cover Super Smooth

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
65	176	8.0	80 *[60]	96	98.0	FSC	0%
80	216	10.0	80 *[60]	96	99.0	FSC	0%
100	271	12.0	60	96	99.0	FSC	0%

Based on 20"x 26" sheet size

<sup>\*[60]</sup> indicates 60 smoothness on specific skus

Accent	<sup>®</sup> Opaque Dig	gital Cove	r Super S	mooth		Cartons
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ Pallet	WEIGHT/ PALLET	STOCK CODE
65	8.5 x 11	23.36	2,500	40	2,336	121939
	11 x 17	46.74	1,250	40	2,337	121954
	18 x 12***	54.00	1,000	32	1,728	189027
80	8.5 x 11	28.76	2,000	40	2,301	121947
	11 x 17	57.52	1,000	40	2,301	121962
	18 x 12***	66.46	800	32	1,701	189028
	19 x 13***	76.00	800	32	1,946	189038
100	18 x 12***	83.06	700	32	1,861	189029
	19 x 13***	95.00	700	32	2,128	189039

<sup>\*\*\*</sup>Indicates this sku is HP® Indigo® 3 star rated

Accent® Opaque Digital Cover Super Smooth							
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ SKID	WEIGHT/ SKID	STOCK CODE		
80	20.8125 x 29.5	189	3,250	614	191162		
100	20.8125 x 29.5	236	2,750	649	191161		

Max skid height of 39"

# Accent® Opaque Digital Cover Super Smooth Cartons

#### **WARM WHITE**

BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
65	176	8.0	60	_	98.0	FSC	0%
80	216	10.0	60	_	99.0	FSC	0%
100	271	12.0	60	_	99.0	FSC	0%

Based on 20"x 26" sheet size

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ Pallet	STOCK CODE
65	8.5 x 11	23.36	2,500	40	2,336	121972
80	8.5 x 11	28.76	2,000	40	2,301	121978
100	18 x 12	83.06	700	32	1,861	121918
	19 x 13	95.00	700	32	2,128	121919

## **Accent® Opaque Digital RE-30 Text and Cover**

#### **Features**

- 60 lb basis weights
- 30% post-consumer fiber
- Smooth finish
- Standard cut-sizes
- 95 brightness, Blue-White shade
- Acid-free for added archival quality that extends the life of the document
- Guaranteed to run on small and large offset presses, digital imaging equipment including copiers, laser and inkjet printers, as well as plain-paper fax machines.

#### **Benefits**

- Smooth surface for proper ink holdout
- Excellent opacity for minimal show-through
- High brightness and preferred Blue-White shade provide excellent print contrast
- Designed specifically for "Electronic Image Guarantee"

#### **End Uses**

 Manuals, booklets, short-run color, direct mail, financial data, posters, sell sheets, brochures









The mark of responsible forestry

# Accent<sup>®</sup> Opaque Digital RE-30 Text

Cartons

#### WHITE

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
24/60	89	4.7	120	95	93.5	FSC	30%

Based on 20"x 26" sheet size

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTONS/ PALLET	WEIGHT/ Pallet	STOCK CODE
24/60	8.5 x 11	11.80	5,000	32	1,890	188102
	11 x 17	23.62	2,500	32	1,890	188103

## Carolina® Digital C2S Cover

#### **Features**

- 94 brightness, Blue-White shade
- High-gloss finish, great ink holdout and exceptional uniformity
- High-quality, consistent coating from side-to-side
- 8.5 x 11" stock items ream wrapped
- Convenient bulk packaging for 17 x 11", 18 x 12", 19 x 13" and 20 x 14" stock items
- Certified on HP® Indigo® and Kodak® NexPress® certified

#### **Benefits**

- Guaranteed to run on small and large offset presses
- Superior holdout for ink, lacquer and film lamination
- Outstanding folding, scoring and die-cutting

**End Uses** • High-quality cover applications, direct mail, inserts, greeting cards, upscale advertising brochures, folders

#### Colors

Blue-White

#### **Position**

 Carolina Digital C2S Cover is available in a variety of digital sizes. It's ideally suited for digital offset printing presses as well as toner based and industrial inkjet printing applications.



Certified for **HP Indigo** 

# Carolina® Digital C2S Cover

## **Cartons**

#### **BLUE WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
144	234	10.0	55	94	_	SFI	0%
165	269	12.0	55	94	_	SFI	0%
188	306	14.0	55	94	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE
144/10	8.5 x 11	31.16	2,000	40	2,493	008011
	17 x 11	62.32	800	32	1,595	018171
	18 x 12	72.00	800	30	1,728	018181
	19 x 13	82.33	800	30	1,976	018191
	20 x 14	93.33	700	30	1,960	018201
165/12	8.5 x 11	35.70	2,000	32	2,285	008013
	17 x 11	71.43	700	32	1,600	018173
	18 x 12	82.52	700	30	1,733	018183
	19 x 13	94.33	700	30	1,981	018193
	20 x 14	106.94	600	30	1,925	018203
188/14	18 x 12	94.00	600	30	1,692	018184
	19 x 13	107.50	600	30	1,935	018194
	20 x 14	121.87	500	30	1,828	018204

## Carolina® Digital C1S Cover

- Features 94 brightness, Blue-White shade
  - High-gloss finish, great ink holdout and exceptional uniformity
  - Double-coated for enhanced surface smoothness
  - 8.5 x 11" stock items ream wrapped
  - Convenient bulk packaging for 17 x 11", 18 x 12", 19 x 13" and 20 x 14" stock items
  - Certified on HP® Indigo® and Kodak® NexPress® certified

#### **Benefits**

- Guaranteed to run on small and large offset presses
- High-gloss finish allows images to pop from page
- Great scoring, folding and die-cutting characteristics

**End Uses** • Catalog covers, direct mail, postcards, greeting cards, menus, brochures, folders

#### Colors

• Blue-White

#### **Position**

• Carolina Digital C1S Cover is available in a variety of digital sizes. It's ideally suited for digital offset presses as well as toner based and industrial inkjet printing applications.



#### **BLUE WHITE**

BASIS WT.	GSM	CALIPER	GLOSS	BRIGHTNESS	OPACITY	CERT.	PC FIBER.
133	216	10.0	55	94	_	SFI	0%
155	252	12.0	55	94	_	SFI	0%

BASIS WEIGHT/PT.	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTONS/ PALLET	WEIGHT/ PALLET	STOCK CODE
133/10	8.5 x 11	28.78	2,000	40	2,302	908010
	17 x 11	57.58	800	32	1,474	018170
	18 x 12	66.50	800	30	1,596	018180
	19 x 13	76.04	800	30	1,825	018190
	20 x 14	86.19	700	30	1,810	018209
155/12	8.5 x 11	33.55	2,000	32	2,147	908012
	17 x 11	67.10	700	32	1,503	018172
	18 x 12	77.52	700	30	1,678	018182
	19 x 13	88.62	700	30	1,861	018192
	20 x 14	100.44	600	30	1,808	018202

## Hammermill® Color Copy Digital Text and Cover

- Features 99.99% jam-free™ guarantee\*
  - 100 brightness, Photo White<sup>™</sup> shade
  - Qualified on HP® Indigo® and Kodak® NexPress®
  - Recommended on Xerox® iGen®
  - 5 basis weights (28/70, 32/80 lb. Text; 60, 80, 100 lb. Cover)
  - Precision-sheeted sizes you need (12 x 18", 18 x 12", 19 x 13") straight from the mill to reduce trim and misfeed costs
  - Acid-free for added archival quality that extends the life of the document
  - Made in USA

#### **Benefits**

- Super bright Photo White for excellent image contrast and color reproduction
- Ultra-smooth finish provides a superior surface for perfect toner blending and brilliant color
- Heavier basis weights enable better color registration and provide a more stable surface for heavier toner applications

**End Uses** • Premium color copies, design proposals, full color presentations, brochures, posters, color photos

#### Color

Photo White

• Premium #1 digital xerographic, high-speed laser



Certified for **HP Indigo** 

JAM-FREE™



The mark of responsible forestry

<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill<sup>®</sup> Color Copy Digital Text

Cartons

#### PHOTO WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
Smooth	28/70	105	4.7	40	100	94	FSC	0%
	32/80	120	5.4	40	100	96	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ CARTON	RMS/ CTN	STOCK CODE
28/70	8.5 x 11	14	4,000	32	56.00	8	102467
	8.5 x 11 3-Hole Punched	14	4,000	32	56.00	8	102500
	8.5 x 14	17.8	4,000	30	71.00	8	102475
	11 x 17	28	2,000	32	56.00	4	102541
	12 x 18	32.34	2,000	32	64.68	4	106125
	19 x 13	36.98	1,500	35	55.45	3	106126
32/80	8.5 x 11	16	4,000	32	64.00	8	102630
	11 x 17	32	2,000	32	64.00	4	102660
	12 x 18	36.96	1,500	32	55.43	3	106127
	19 x 13	42.26	1,500	35	63.40	3	106128

# Hammermill<sup>®</sup> Color Copy Digital Cover

Cartons

#### **PHOTO WHITE**

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
Smooth	60	162	6.5	30	100	97	FSC	0%
	80	216	8.9	30	100	98	FSC	0%
	100	271	10.5	50	100	99	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ CARTON	RMS/ CTN	STOCK CODE
60	8.5 x 11	21.56	2,500	32	53.90	10	122549
	17 x 11	43.14	1,250	32	53.93	5	122556
	18 x 12	49.84	1,250	32	62.31	5	120040
80	8.5 x 11	28.76	2,000	32	57.53	8	120023
	17 x 11	57.52	1,000	32	57.53	4	120037
	18 x 12	66.46	1,000	32	66.46	4	133200
	19 x 13	76.00	750	35	57.00	3	133241
100	8.5 x 11	35.96	1,500	32	53.93	6	120024
	17 x 11	71.92	750	32	53.93	3	133202
	12 x 18	83.08	750	32	62.28	3	133232
	18 x 12	83.06	750	32	62.28	3	133201
	19 x 13	95.00	750	28	71.25	3	133242

## Hammermill® Laser Print

- Features 99.99% jam-free™ guarantee\*
  - 98 brightness, Radiant White
  - 3 basis weights (24/60, 28/70, 32/80 lb.)
  - Ultra-smooth surface
  - Acid-free for added archival quality that extends the life of the document
  - Made in USA

#### Benefits

- · Radiant White shade for excellent image contrast
- Excellent for high-resolution laser prints
- A versatile sheet suited for electronic printing, laser printing and color copies

**End Uses** • Reports, memos, forms, letters, layouts, direct mail, color copies, proposals, brochures, menus, tent cards

Color

Radiant White

**Position** • Super premium #1 laser paper/xerographic paper



The mark of

JAM-FREE™



<sup>\*</sup> We guarantee that our paper will not have more than one jam in 10,000 sheets on your high-speed digital equipment or we will replace your paper or refund your purchase price. Our liability not to exceed the purchase price of the paper.

# Hammermill<sup>®</sup> Laser Print

Cartons ]

### RADIANT WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT	PC FIBER
SMOOTH	24/60	90	4.1	50	98	92	FSC	0%
	28/70	105	4.7	50	98	94	FSC	0%
	32/80	120	5.2	50	98	96	FSC	0%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ CARTON	RMS/ CTN	STOCK CODE
24/60	8.5 x 11	12	5,000	32	60	10	104604
	8.5 x 11 3-Hole Punched	12	5,000	32	60	10	107681
	8.5 x 14	15.26	5,000	30	76	10	104612
	11 x 17	24	2,500	32	60	5	104620
	35 x 23	103	1,500	12	154.50	N/A	142158
28/70	8.5 x 11	14	4,000	32	56	8	125534
	11x 17	28	2,000	32	56	4	125526
32/80	8.5 x 11	16	4,000	32	64	8	104646
	11 x 17	32	2,000	32	64	4	104653

## **Springhill® Digital Opaque Colors**

- **Features** 2 basis weights (24/60, 28/70 lb.)
  - 10% post-consumer fiber
  - Smooth, level finish
  - 10 popular colors, matching 10 of our Springhill Vellum Bristol Cover colors and 5 colors of Index, making an economical choice for text and cover combinations
  - Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers as well as plain-paper fax machines

- Benefits Excellent for color coding
  - Capable of perfecting
  - Flexible/versatile
  - Acid-free for added archival quality that extends the life of the document

End Uses • Text pages of brochures, price lists, newsletters, direct mail, inserts, coupons

#### Colors

• Blue, Canary, Cream, Goldenrod, Gray, Green, Ivory, Orchid, Pink, Tan









# Springhill Digital Opaque Colors

Cartons

ohimé	J	gita	. Ope	iquo oo	1010		Ou	II LUIT
COLORS								
FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBEI
SM00TH	24/60	89	4.6	150	_	93	SFI	10%
	28/70	104	5.2	150	_	95	SFI	10%
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS		SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET	STOCK CODE	
BLUE								
24/60	8.5 x 11	1	1.80	5,000	32	1,890	024034	
	8.5 x 14	1!	5.02	5,000	24	1,802	02	4030
	11 x 17	23	3.62	2,500	32	1,890	02	24044
28/70	11 x 17	2	7.54	2,000	32	1,763	02	4156
CANARY	r							
24/60	8.5 x 11	1	1.80	5,000	32	1,890	02	4035
	8.5 x 14	1!	5.02	5,000	24	1,802 0		4031
	11 x 17	23	3.62	2,500	32	1,890	02	4045
28/70	8.5 x 11	13.76		4,000	32	1,738 02		4159
	11 x 17	2	7.54	2,000	32	1,763	02	4164
CREAM								
24/60	8.5 x 11	1	1.80	5,000	32	1,890	02	4036
	8.5 x 14	1!	5.02	5,000	24	1,802	024032	
	11 x 17	23	3.62	2,500	32	1,890	02	4046
28/70	8.5 x 11	13.76		4,000	32	1,761	02	4070
	8.5 x 14	17	7.52	4,000	30	2,102	02	4071
	11 x 17	2	7.54	2,000	32	1,763	02	4068
GOLDEN	ROD							
24/60	8.5 x 11	1	1.80	5,000	32	1,890	02	24037
	11 X 17	2	3.62	2,500	32	1,890	02	24047
GRAY								
24/60	8.5 x 11	1	1.80	5,000	32	1,890	02	24038
	8.5 x 14	1	5.02	5,000	24	1,802	02	24069
	11 x 17		3.62	2,500	32	1,890	02	24048
28/70	11 x 17	2	7.54	2,000	32	1,763	02	24166
GREEN								
24/60	8.5 x 11	1	1.80	5,000	32	1,890	02	24041
	8.5 x 14	1	5.02	5,000	24	1,802	02	24225
	11 x 17	2:	3.62	2,500	32	1,890	02	24062

2,000

32

1,763

024185

27.54

28/70

11 x 17

# Springhill Digital Opaque Colors

Cartons

DAGIO		MEIOUT/	OUEETO/	CARTONI	MEIOUT/	OTOOK
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTON/ Pallet	WEIGHT/ Pallet	STOCK CODE
IVORY						
24/60	8.5 x 11	11.80	5,000	32	1,890	024039
	8.5 x 14	15.02	5,000	24	1,802	024033
	11 x 17	23.62	2,500	32	1,890	024049
28/70	8.5 x 11	13.76	4,000	32	1,761	024157
	8.5 x 14	17.52	4,000	30	2,102	024160
	11 x 17	27.54	2,000	32	1,763	024158
ORCHID						
24/60	8.5 x 11	11.80	5,000	32	1,890	024040
	11 X 17	23.62	2,500	32	1,890	024061
PINK						
24/60	8.5 x 11	11.80	5,000	32	1,890	024042
	11 X 17	23.62	2,500	32	1,890	024063
TAN						
24/60	8.5 x 11	11.80	5,000	32	1,890	024043
	11 X 17	23.62	2,500	32	1,890	024064

## Springhill Digital Opaque Cover

#### Features

- Sturdy cover basis weight (65 lb.)
  - 10% post-consumer fiber
  - Vellum finish
  - 5 popular colors match Springhill Opaque Colors
  - Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers as well as plain-paper fax machines that accept higher basis-weight and vellum finish papers
  - Excellent for color coding

#### **Benefits**

- Good for die-cutting, scoring and folding
- Acid-free for added archival quality that extends the life of the document
- Brochure covers, menus, tent cards, reply cards, report covers
- Blue, Canary, Cream, Green, Ivory

#### **Colors**

**End Uses** 









# Springhill<sup>®</sup> Digital Opaque Cover

Cartons

COLORS								
FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
VELLUM	65	176	9.9	250	_	98	SFI	10%
BASIS WEIGHT	SIZE		/EIGHT/ SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET	'	STOCK CODE
BLUE								
65	8.5 x 11	2	23.36	2,500	32	1,869	0	14052
CANARY	,							
65	8.5 x 11	2	23.36	2,500	32	1,869	0	14051
CREAM								
65	8.5 x 11	2	23.36	2,500	32	1,869	0	14054
GREEN								
65	8.5 x 11	2	23.36	2,500	32	1,869	0	14050
IVORY								
65	8.5 x 11	2	23.36	2,500	32	1,869	0	14053
	11 x 17	4	16.75	1,000	48	2,244	0	14072

# Springhill Digital Index

#### **Features**

- Designed specifically for "Electronic Image Guarantee"
- 2 basis weights (90, 110 lb.)
- 92 brightness, White
- 4 sizes (8.5 x 11", 8.5 x 14", 9 x 11", 11 x 17")
- Smooth, hard surface
- 10% post-consumer fiber
- Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines that accept higher basis-weight papers
- 5 colors match Springhill Vellum Bristol Cover: Blue, Canary, Gray, Green Ivory

#### **Benefits**

- Good ink holdout, snap and resistance
- Exceptional die-cutting, scoring and folding characteristics
- Attractive Blue-White shade for good image contrast
- 90 lb. Index meets USPS regulations for 7 pt. reply cards
- 110 lb. Index meets USPS regulations for 9 pt. reply
- Acid-free for added archival quality that extends the life of the document

**End Uses** • Index systems, file cards, case records, ruled forms, menus, brochure covers, direct mail, counter displays

#### **Colors**

 White, Blue, Buff, Canary, Cherry, Gray, Green, Ivory, Salmon









# Springhill Digital Index White

# Cartons

#### WHITE

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
INDEX	90	163	7.6	130	92	97	SFI	10%
WHITE	110	199	9.5	130	92	98	SFI	10%

BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS	SHEETS/ Carton	CARTON/ PALLET	WEIGHT/ PALLET	STOCK CODE
90	8.5 x 11	21.62	2,000	56	2,424	015101
	8.5 x 14	27.54	2,500	36	2,479	015114
	9 x 11	22.90	2,500	48	2,749	015105
	11 x 17	43.27	1,000	56	2,423	015110
110	8.5 x 11	26.44	2,000	40	2,115	015300
	8.5 x 14	33.66	2,000	30	2,020	015314
	9 x 11	28.00	2,000	48	2,688	015311
	11 x 17	52.88	1,000	40	2,115	015334

# Springhill Digital Index Colors

Cartons

COLORS								
PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
INDEX	90	163	7.6	130	_	97+	SFI	10%
WHITE	110	199	9.5	150	_	98+	SFI	10%
BASIS WEIGHT	SIZE		EIGHT/ Sheets	SHEETS/ CARTON	CARTON/ Pallet	WEIGHT/ PALLET		STOCK CODE
BLUE								
90	8.5 x 11	2	1.62	2,500	48	2,597	0	25100
110	8.5 x 11	2	6.44	2,000	48	2,538	0:	25300
	11 x 17	5	2.88	1,000	48	2,538	0:	25320
BUFF								
90	8.5 x 11	2	1.62	2,500	48	2,597	0	55100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	55300
CANARY	,							
90	8.5 x 11	2	1.62	2,500	48	2,597	0	35100
110	8.5 x 11	2	6.44	2,000	48	2,538	0:	35300
	11 x 17	5	2.88	1,000	48	2,538	0	35320
CHERRY							,	
90	8.5 x 11	2	1.62	2,500	48	2,597	0	75100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	75300
GRAY								
110	8.5 x 11	2	6.44	2,000	48	2,538	0	65300
GREEN								
90	8.5 x 11	2	1.62	2,500	48	2,597	0	45100
110	8.5 x 11	2	6.44	2,000	48	2,538	04	45300
	11 x 17	5	2.88	1,000	48	2,538	0	45320
IVORY								
90	8.5 x 11	2	1.62	2,500	48	2,597	0	56100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	56300
	11 x 17	5	2.88	1,000	48	2,538	0	56320
SALMON	1							
90	8.5 x 11	2	1.62	2,500	48	2,597	0	85100
110	8.5 x 11	2	6.44	2,000	48	2,538	0	85300

## Springhill Digital Vellum Bristol Cover

#### **Features**

- Designed specifically for "Electronic Image Guarantee"
- 2 basis weights (67, 80 lb.)
- 92 brightness, White
- 3 sizes (8.5 x 11", 8.5 x 14", 11 x 17")
- Soft, toothy finish
- 10% post-consumer fiber
- Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines that accept higher basis-weight and vellum finish papers
- 5 colors match Springhill Index: Blue, Canary, Gray, Green, Ivory

#### Benefits

- Good ink holdout, fast drying
- Excellent for die-cutting, scoring and folding
- 67 lb. Digital Vellum Bristol Cover meets USPS regulations for 7 pt. reply cards
- 80 lb. Digital Vellum Bristol Cover meets USPS regulations for 9 pt. reply cards
- 80 lb. weight is equivalent to a 65 lb. Cover, 67 lb. weight is equivalent to 55 lb. Cover or 100 lb. Text
- Acid-free for added archival quality that extends the life of the document

**End Uses** • Brochures, direct mail, greeting and mailing cards, tent cards, menus, announcements

#### Colors

• White, Blue, Canary, Cream, Goldenrod, Gray, Green, Ivory, Orchid, Peach, Pink, Tan









# Springhill<sup>®</sup> Digital Vellum Bristol Cover White Cartons

#### WHITE

PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
VELLUM	67	147	8.8	300	92	97	SFI	10%
WHITE	80	175	10.3	300	92	98	SFI	10%
BASIS WEIGHT	SIZE	WEIGHT/ M SHEETS		SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET	_	STOCK CODE
67	8.5 x 11	19	.52	2,000	48	1,876	0	16000
	8.5 x 14	24	.86	2,000	36	1,791	016002	
	11 x 17	39	.06	1,000	48	1,876	0	16004
80	8.5 x 11	23	.32	2,000	40	1,866	0	16200
	11 x 17	46	.64	1,000	40	1,866	0	16204

# Springhill® Digital Vellum Bristol Cover Colors Cartons

COLORS								
PAPER	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
VELLUM	67	147	8.8	300	_	97+	SFI	10%
BASIS WEIGHT	SIZE		EIGHT/ SHEETS	SHEETS/ Carton	CARTON/ Pallet	WEIGHT/ PALLET		STOCK CODE
BLUE								
67	8.5 x 11	19	.52	2,000	48	1,875	0:	26000
	11 x 17	39	.06	1,000	48	1,875	0:	26004
CANARY	,							
67	8.5 x 11	19	.52	2,000	48	1,875	0;	36000
	11 x 17	39	.06	1,000	48	1,875	0;	36004
CREAM								
67	8.5 x 11	19	1.52	2,000	48	1,875	0:	97000
	11 x 17	39	.06	1,000	48	1,875	0	97004
GOLDEN	ROD							
67	8.5 x 11	19	.52	2,000	48	1,875	0	36008
	11 x 17	39	.06	1,000	48	1,875	0	36004
GRAY								
67	8.5 x 11	19	.52	2,000	48	1,875	0	66000
	11 x 17	39	.06	1,000	48	1,875	0	66004
GREEN								
67	8.5 x 11	19	.52	2,000	48	1,875	04	46000
	11 x 17	39	.06	1,000	48	1,875	04	46004
IVORY								
67	8.5 x 11	19	.52	2,000	48	1,875	0	56000
	11 x 17	39	.06	1,000	48	1,875	0	56004
ORCHID								
67	8.5 x 11	19	.52	2,000	48	1,875	0	57000
PEACH								
67	8.5 x 11	19	.52	2,000	48	1,875	0	58000
PINK								
67	8.5 x 11	19	.52	2,000	48	1,875	0	76000
	11 x 17	39	.06	1,000	48	1,875	0	76004
TAN								
67	8.5 x 11	19	.52	2,000	48	1,875	0:	96000

## Williamsburg Offset *PLUS*

#### **Features**

- Digital
- 3 basis weights (50, 60, 70 lb.)
- Smooth finish
- 94 brightness, Blue-White shade
- Williamsburg Offset PLUS rolls available on a making basis
- Acid-free for added archival quality that extends the life of the document
- Guaranteed to run on small and large offset presses, digital imaging equipment including copiers, laser and inkjet printers as well as plain-paper fax machines

#### **Benefits**

- Superior runnability, uniform quality and excellent printability
- Excellent strength, bulk and stiffness

**End Uses** • Brochures, direct mail, bill stuffers, manuals, books, posters, place mats, financial statements, newsletters

#### Colors

White







# Williamsburg Offset *PLUS* Smooth

# Cartons

#### WHITE

FINISH	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
SMOOTH	20/50	74	3.9	150	94	90	SFI	0%
	24/60	89	4.5	150	94	92	SFI	0%
	28/70	104	5.3	150	94	94	SFI	0%

BASIS WEIGHT	SIZE		WEIGHT/ M SHEETS	SHEETS/ CARTON	CARTON/ Pallet	WEIGHT/ PALLET	STOCK CODE
50	11 x 17		19.68	2,500	40	1,968	05317
60	8.5 x 11		11.80	5,000	32	1,890	05324
	8.5 x 11	3-Hole Punched	11.80	5,000	32	1,890	05325
	8.5 x 14		15.02	4,000	30	1,802	05326
	11 x 17		23.62	2,500	32	1,890	05327
70	8.5 x 11		13.76	4,000	32	1,761	05335
	8.5 x 14		17.52	4,000	30	2,102	05336
	11 x 17		27.54	2,000	32	1,763	05337

## Williamsburg Return Postcard PLUS

### Features • 7 pt.

- Hi-Bulk finish
- 92 brightness, Blue-White shade
- Cut-size version of Williamsburg Return Postcard
- Acid-free for added archival quality that extends the life of the document
- Guaranteed to run on small and large offset presses, digital imaging equipment, including copiers, laser and inkjet printers, as well as plain-paper fax machines that accept vellum finish papers

#### **Benefits**

- Superior runnability, uniform quality and excellent printability
- Excellent strength, bulk and stiffness
- Meets minimum USPS 7 pt. reply card specifications

**End Uses** • Reply cards, posters, menus, table tents

Colors White







# Williamsburg Return Postcard *PLUS*

29.52

Cartons

05404

#### WHITE

11 x 17

GURLEY	BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PC FIBER
LOW	75	111	7.4	330	92	95	SFI	0%
POINTS	SIZE		EIGHT/ SHEETS	SHEETS/ CARTON	CARTON/ PALLET	WEIGHT/ PALLET	1	STOCK CODE
7 pt.	8.5 x 11	1	4.76	2,500	48	1,771	(	05403

1,250

48

1,771

Notes:	

# **Digital Inkjet**

ColorIsForever.com

Amazing clarity. Brilliant color.

A full spectrum of digital inkjet printing papers.

## Digital Inkjet Quick Reference Guide

#### Accent® Opaque Dyemond™

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PPI
White	45	67	3.4	120	95	90.5	SFI	588
Smooth	50	74	3.9	120	95	92	SFI	513
	60	89	4.7	120	95	93.5	SFI	426
	70	104	5.4	120	95	94.5	SFI	370
	80	118	6.2	130	95	96	SFI	323
	100	148	7.6	130	95	97	SFI	263

# Accent® Opaque with ImageLok® Technology Accent® Opaque with ColorPRO Technology

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PPI
White	45	67	3.4	120	95	90.5	SFI	588
Smooth	50	74	3.9	120	95	92	SFI	513
	60	89	4.7	120	95	93.5	SFI	426
	70	104	5.4	120	95	94.5	SFI	370
	80	118	6.2	130	95	96	SFI	323

# Accent® Opaque Reply Card with ImageLok® Technology Accent® Opaque Reply Card with ColorPRO Technology

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PPI
White	100	148	7.6	130	95	97	SFI	263
Smooth	135	199	9.4	150	92	98	SFI	213

# Accent® Opaque with ImageLok® Technology Cream White Publishers Opaque Accent® Opaque with ColorPRO Technology Cream White Publishers Opaque

-	-						-	-
ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PPI
Cream	50	74	3.9	150	_	90.5	SFI	513
White	60	89	4.6	150		93	SFI	435

# Williamsburg with ImageLok® Technology Williamsburg with ColorPRO Technology

ITEM	BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PPI
White	45	67	3.6	150	94	88	SFI	556
Smooth	50	74	3.9	150	94	90	SFI	513
	60	89	4.5	150	94	92	SFI	444
	70	104	5.3	150	94	94	SFI	377
	80	118	6.0	150	94	95	SFI	333

## Accent® Opaque Dyemond™

- **Features** 6 basis weights (45, 50, 60, 70, 80, 100 lb.)
  - Smooth finish
  - 95 brightness, Blue-White shade
  - · Acid-free for added archival quality that extends life of the document
  - Guaranteed to run on high-speed digital inkjet presses using dye-based inks
  - 10-30% recycled Accent Opaque Dyemond available on a making basis

#### **Benefits**

- Excellent print quality for high-speed dye-based inkjet presses
- Proprietary technology provides crisp vivid images and graphics with improved waterfastness
- Guaranteed paper performance in roll-to-roll, roll-tosheet allows customers to use a single paper grade
- Excellent for high-speed book publishing

**End Uses** • On demand books, direct mail, catalogs, financial printing, equipment manuals, reports, brochures, legal documents

#### Color

Blue-White

#### Size

Roll size made to order

#### WHITE SMOOTH

BASIS WT.	GSM	CALIPER	<b>SMOOTHNESS</b>	BRIGHTNESS	OPACITY	CERT.	PPI
45	67	3.4	120	95	90.5	SFI	588
50	74	3.9	120	95	92	SFI	513
60	89	4.7	120	95	93.5	SFI	426
70	104	5.4	120	95	94.5	SFI	370
80	118	6.2	130	95	96	SFI	323
100	148	7.6	130	95	97	SFI	263

Rolls

# Accent® Opaque with ImageLok® Technology and **ColorPRO Technology**

- **Features** 7 basis weights (45, 50, 60, 70, 80, 100, 135 lb.)
  - Smooth finish
  - 95 brightness, Blue-White shade or Cream White shade
  - Acid-free for added archival quality that extends life of the document
  - · Guaranteed to run on high-speed digital inkjet presses
  - Accent Opaque RPC 7 pt. and 9 pt. are USPS quaran-
  - 10-30% recycled Accent Opaque available on a making basis

#### Benefits

- Excellent print quality for high-speed pigmented inkjet presses
- Proprietary technology provides crisp vivid images and graphics
- Guaranteed paper performance in roll-to-roll, roll-to-sheet allows customers to use a single paper grade
- Excellent for high-speed book publishing

End Uses • On demand books, direct mail, catalogs, financial printing, equipment manuals, reports, brochures, legal documents

#### Color

Blue-White or Cream White

#### Size

Roll size made to order

#### WHITE SMOOTH

BASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PPI
45	67	3.4	120	95.0	90.5	SFI	588
50	74	3.9	120	95.0	92.0	SFI	513
60	89	4.7	120	95.0	93.5	SFI	426
70	104	5.4	120	95.0	94.5	SFI	370
80	118	6.2	130	95.0	96.0	SFI	323
100	148	7.6	130	95.0	97.0	SFI	263
135	199	9.4	150	92.0	98.0	SFI	213

#### **CREAM WHITE PUBLISHERS OPAQUE**

BASIS WT.	GSM	CALIPER	SM00THNESS	BRIGHTNESS	OPACITY	CERT.	PPI
50	74	3.9	150	_	90.5	SFI	513
60	89	4.6	150		93.0	SFI	435

Rolls **152** 

For updates, visit ipstocksourcebook.com or download the International Paper Stock Source Guide.

# Williamsburg Digital Inkjet with ImageLok® Technology and ColorPRO Technology

- **Features** 5 basis weights (45, 50, 60, 70, 80 lb.)
  - Smooth finish
  - 94 brightness, Blue-White shade
  - · Acid-free for added archival quality that extends life of the document
  - Guaranteed to run on high-speed digital inkjet presses
  - 10-30% recycled Williamsburg available on a making basis

#### Benefits

- Excellent print quality for high-speed pigmented inkjet presses
- Proprietary technology provides crisp vivid images and graphics
- Guaranteed paper performance in roll-to-roll, roll-to-sheet allows customers to use a single paper grade
- Excellent for high-speed book publishing

End Uses • On demand books, direct mail, catalogs, financial printing, equipment manuals, reports, brochures, legal documents, easy personalization of documents

#### Color

Blue-White

#### Size

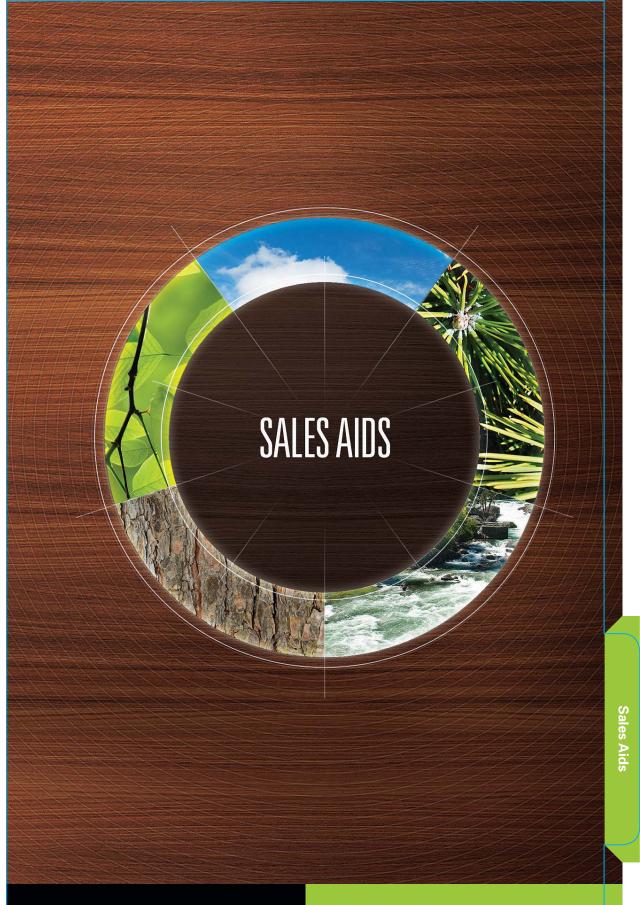
Roll size made to order

#### WHITE SMOOTH

В	ASIS WT.	GSM	CALIPER	SMOOTHNESS	BRIGHTNESS	OPACITY	CERT.	PPI
	45	67	3.6	150	94.0	88.0	SFI	556
	50	74	3.9	150	94.0	90.0	SFI	513
	60	89	4.5	150	94.0	92.0	SFI	444
	70	104	5.3	150	94.0	94.0	SFI	377
	80	118	6.0	150	94.0	96.0	SFI	333

Rolls

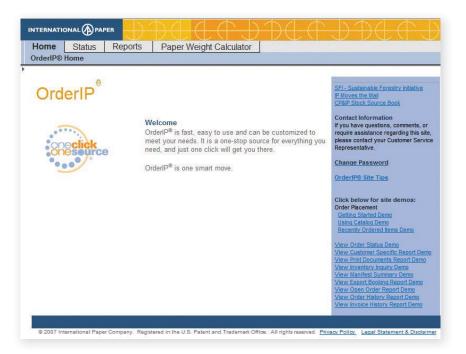
Notes:	
	_



Sales Aids

Handy reference materials and time-saving calculation tools to keep every project on track

#### **Order IP**



Manage your cmmercial printing and imaging paper orders online via **www.OrderlP.com**. Experience the benefits of being able to track your purchase orders through the order, delivery and invoicing processes — all in real-time!

**OrderIP**® **offers 24/7** access and answers the following top questions and more:

- · How much inventory of a given sku is available?
- · What is the price for my direct spot order?
- When will more product be available?
- What is the status of my order?
- Has my order shipped?
- · When did it ship?
- · What was on the truck?
- Can I have a copy of my invoice?

Answers to these questions and more are just a click away. Contact your dedicated International Paper sales representative or customer service representative to start using **www.OrderlP.com**.

#### **International Paper Sample Center**

The International Paper Sample center speeds delivery of swatchbooks, paper samples, and promotional material to our distributors and customers. Samples are stored in environmentally regulated conditions.

The grades currently stored in our sample center in Farmingdale, New Jersey are: Accent® Opaque, Carolina® Coated Cover, Hammermill® Papers, Springhill® Offset Colors, Springhill® Uncoated Bristols, Williamsburg, and all converting and specialty grades.

To request samples, write: International Paper Sample Center 5100 Belmar Blvd., Ste. 7 Farmingdale, NJ 07727

For sample orders requiring immediate delivery, please

call: 1-800-221-0809 or 732-919-6281 fax: 1-800-433-3698 or 732-919-0168

e-mail: ip.samplecenter@ipaper.com any time day or night.

Orders received by 6:00 p.m. EST will ship the same day. After 6:00 p.m., your order will be recorded for immediate service the next business day.

All orders are shipped UPS. International Paper commercial printing and imaging papers pays all delivery, shipping and handling costs unless another means of shipment is specified by the customer.

#### **International Paper Customer Service Organization**

The International Paper global customer service center is committed to providing you with comprehensive solutions for all your product and service needs. We are organized into customer account and business specific teams, made up of dedicated customer service representatives. Our professionals are specifically trained to utilize all available resources and technologies to best service and manage your account. Our commitment is to process and service your business needs from initial inquiry and quoting on orders, to timely delivery and invoicing of product. We also have a customer solution specialist team, dedicated to expediting, resolving and finding solutions quickly to support your needs.

Our customer service teams utilize integrated computerized inventory and order management systems which have real-time order status and shipment tracking capabilities. They are able to assist customers by entering and processing all orders received via phone, fax or electronic data interchange (EDI). Customer service representatives can also provide product ready dates and updated delivery estimates for quick turn sheeting orders.

International Paper, and our customer service team, are committed to adding value to our customers' businesses.

#### Watermarks

Hammermill® Bond is a premium number one sulphate water-marked paper containing 30% post-consumer recycled fiber. The Hammermill® Bond watermark is:

Cross direction • Head-to-foot, left-to-right • Random

#### **Definitions**

#### **Cross direction**

Right angles to the grain direction.

#### Head-to-foot, left-to-right

On a parent sheet, the watermarks generally run perpendicular to the paper grain. Final letterheads cut down are then grain long.

#### Random

Appears at least once in every 8 1/2 x 11" sheet, in no particular location.

#### Standard raised watermark

The design is impressed with a dandy roll that has a raised surface pattern. This creates an area with less fiber making it lighter and more translucent.

### **How to Determine Ream Weights**

The ream weight is the weight of 500 sheets.

#### **Formula**

#### **Rounding Rules**

Sheet Size	Ream Weight
864 inches <sup>2</sup> or larger	Ream Weight rounded to nearest pound. (166 lbs.)
336 inches² to 864 inches²	Ream Weight rounded to nearest half pound. (165.5 lbs.)
Less than 336 inches <sup>2</sup>	Ream Weight truncated to one hundredth of a pound. (165.66 lbs.)

#### **Example**

Find the ream weight of a sheet of 43 x 61", basis 60 lb. offset paper.

$$\frac{43 \times 61 \times 60}{25 \times 38} = \frac{157,380}{950} = 165.66 \longrightarrow 166 \text{ lb./ream}$$

Note: 25 x 38" is the basic size of offset paper.

#### **Basic Sizes**

Bond/Writing	17 x 22	= 374 square inches
Book and Offset	25 x 38	= 950 square inches
Tag	24 x 36	= 864 square inches
Index	25.5 x 30.5	= 778 square inches
Vellum Bristol	22.5 x 28.5	= 641 square inches
Coated Cover C2S	24 x 36	= 864 square inches
Coated Cover C1S	24 x 36	= 864 square inches
C1S Label	25 x 38	= 950 square inches
Opaque Cover	20 x 26	= 520 square inches

### **How to Determine Pages Per Inch**

To determine the pages per inch (PPI), divide 2 by the caliper of the given sheet in .001".

#### **Formula**

$$PPI = \frac{2}{Caliper (thousandths of an inch)}$$

#### **Example**

$$\frac{2}{.0049} = 408 \text{ pages per inch.}$$

#### **How to Determine M Weights**

#### **Folio Sheets**

The ream weight is the weight of 500 sheets; the M weight is the weight of 1,000 sheets. The M weight can be obtained by first finding the ream weight, then multiplying by 2.

#### **Cutsize**

The ream weight is the weight of 500 sheets; the M weight is the weight of 1,000 sheets. The M weight can be obtained by first finding the ream weight, then multiplying by 2.

#### Formula

#### How to Find the Weight of an Odd Number of Sheets

#### **Formula**

$$\frac{\text{Weight per M sheets x no. of sheets}}{1,000} = \text{Total weight}$$

#### Example

What is the weight of 1,365 sheets,  $25 \times 38$ ", 60 lb. - 120 M offset paper?

$$\frac{120 \times 1,365}{1,000} = 163.8 \text{ lb.}$$

### How to Estimate the Weight of a Roll

To find the approximate weight of a roll, multiply roll diameter squared minus core diameter squared by roll width and appropriate factor.

#### Formula

(Roll diameter<sup>2</sup> – core diameter<sup>2</sup>) = Approximate weight of roll x width of roll x factor

### **Example**

Find the weight of a roll of smooth offset paper in a 40" diameter, 3" core, 35" width.

#### **Factors**

Vellum Offset	.020	Tag and Index	.026	
Bond	.021	C1S Label	.030	
Smooth Offset	.022	C2S Cover	.033	
Vellum Bristol Cover	.022	C1S Cover and Blanks	.030	

#### How to Determine the Density of a Sheet

To determine the density of any given sheet, divide the basis weight by the caliper.

#### Formula

Density = 
$$\frac{\text{Basis Weight}}{\text{Caliper}}$$

### How to Find the Linear Footage of a Roll of Paper

To find the approximate linear footage in a roll of paper, multiply the weight of the roll by the square inches of basic size. Then divide by the sum representing the width of the roll, multiplied by the substance or basis weight, multiplied by 12.

#### Formula

 $\frac{\text{Roll weight x area of basic size x 500}}{\text{Basis weight x roll width x 12}} = \text{Approximate* Linear Footage}$ 

\*Linear footage may vary based on finish of the sheet.

#### **Example**

Find the footage of a roll of basis 50 lb. offset paper, 26" wide and weighing 100 lbs.

$$\frac{100 \times 25 \times 38 \times 500}{50 \times 26 \times 12} = 3,044 \text{ Linear feet}$$

### **How to Determine Pieces per Sheet**

Write down the dimensions of the piece under the dimensions of the sheet, then divide both vertically and diagonally. The larger of the two numbers, disregarding fractions, is the answer.

### Example

How many 5 x 8" cards can be cut from a 25½ x 30½" sheet?

Divide vertically 25½ x 30½ 25½ x 30½ 25½ x 30½ 
$$\frac{5 \times 8}{5 \times 3} = 15 \text{ out}$$

#### **Price per Thousand Square Feet**

(Price x basis weight) ÷ (RSI x .0006944444)

#### To find RSI:

Calculate the total number of square inches in one ream of the basic size for the grade.

RSI = basic length x basic width x 500

### For Coated Cover Only (24 x 36" basic size)

Find MSF price:

MSF =\$ cwt. x basis weight  $\div$  300

Find Cwt. price:

Cwt. = MSF x  $300 \div basis$  weight

#### **Price per Thousand Sheets**

#### **Formula**

 $\frac{\text{Cwt. price x M weight}}{100} = \text{Price per 1,000 sheets}$ 

### **Metric System**

#### **Sizes**

Typical paper sizes converted from inches to millimeters.

Inches	Millimeters (Rounded)
81/2	216
11	279
14	356
17	432
17½	445
19	483
20	508
22	559
221/2	572
24	610
25	635
26	660
28	711
29	737
34	864
34½	876
35	889
42	1067
48	1219
50	1270
56	1422

<sup>1&</sup>quot;= 25.4 millimeters

### **Converting Basis Weight**

To convert basis weight to grams per square meter (GSM):

#### **Basic Sizes**

Bond 17 x 22 = 374 sq.in.
Bond 25 x 38 = 950 sq.in.
Index 25½ x 30½ = 778 sq.in.
Vellum Bristol 22½ x 28½ = 641sq.in.
Tag 24 x 36 = 864 sq.in.

### Basis Weights and Grams Per Square Meter (GSM)

Basic size 17 x 22"  13	Pounds Per Ream	Grams/Square Meter (GSM)
15     56       16     60       17     64       20     75       24     90       28     105       32     150       36     135	Basic size 17	x 22"
16     60       17     64       20     75       24     90       28     105       32     150       36     135	13	49
17     64       20     75       24     90       28     105       32     150       36     135	15	56
20     75       24     90       28     105       32     150       36     135	16	60
24     90       28     105       32     150       36     135	17	64
28 105 32 150 36 135	20	75
32 150 36 135	24	90
36 135	28	105
-	32	150
D	36	135
Basic size ZZ/2 X Z8/2	Basic size 22	½ x 28½
67 147	67	147
80 175	80	175
100 219	100	219
120 263	120	263
Basic size 25½ x 30½	Basic size 25	½ x 30½
90 163	90	163
110 199	110	199
140 253	140	253
Basic size 24 x 36	Basic size 24	x 36
100 163	100	163
125 204	125	204
150 244	150	244
175 285	175	285
200 326	200	326
Basic size 25 x 38	Basic size 25	x 38
45 67	45	67
50 74	50	74
60 89		89
70 104	70	104
80 118	80	118
100 145	100	145
120 178	120	178

Example:

28 lb. 17 x 22" paper

(28)(1406.15)

17 in. x 22 in.

$$\frac{105 \text{ grams}}{M^2} = 105 \text{ GSM}$$

## **Cutting Chart**

Chart showing page sizes and number of pages that are available from specific press sheet sizes.

Size of Page	Number of Pages	Size of Press Sheet	No. Printed Pages
9 x 12"	4	25 20"	4
	8	25 x 38"	2
	16	28 x 50"	2
8½ x 11"	4	22 v 2E"	4
	8	23 x 35"	2
	16	35 x 45"	2
5½ x 7"	4		8
	8	23 x 29"	4
	16		2
6 x 9"	4		8
	8	25 x 38"	4
	16		2
	32	38 x 50"	2
5½ x 8½"	4		16
	8	OE 45"	8
	16	35 x 45"	4
	32		2
4½ x 6"	4		16
	8	05 00"	8
	16	25 x 38"	4
	32		2
4¼ x 5 <sup>3</sup> / <sub>8</sub> "	4		32
	8	05 45"	16
	16	35 x 45"	8
	32		4
4 x 9"	4	25 x 38"	12
	8	38 x 50"	12
	12	25 x 38"	4
	16	35 x 50"	6
	24	25 x 38"	2

## **Temperature Condition Chart**

Hours required to temperature-condition paper\*\*

Cubic Volume	1	Difference in Temperature of Paper and Temperature of Room in Which it is Opened						
of Paper on Skid or in Roll	10°	15°	<b>20°</b>	<b>25°</b>	30°	40°	<b>50°</b>	60°
OKIG OF III HOII		(Hours paper should stand)**						
6 cubic ft.	5	9	12	15	18	25	35	54
12 cubic ft.	8	14	18	22	27	38	51	78
24 cubic ft.	11	16	23	28	35	48	67	100
48 cubic ft.	14	19	26	32	38	54	75	109
96 cubic ft.	15	20	27	34	41	57	79	115

<sup>\*</sup>Official Chart by the Graphic Arts Technical Foundation

#### **Paper Testing**

#### **Basis Weight**

The designation given to a sheet of paper in terms of the weight of 500 sheets (one ream) in the standard size for that grade:

Offset – 25 x 38" Reprographic – 17 x 22" Tag – 24 x 36" Vellum Bristol – 22½ x 28½"

**Example:** The basis weight of a typical grade of reprographic paper would be 20 lb. Bond (indicating 500 sheets, 17 x 22" weighing 20 lbs.).

#### **Caliper**

The caliper (or thickness) of paper at a given basis weight determines its bulk and is affected by processing done to obtain smoothness and porosity. Variations in caliper across the sheet will cause problems such as loose edges, baggy areas and misregister.

Caliper is measured by a micrometer having a foot diameter of 5/8" which is clamped against the sheet at 7 p.s.i. pressure. Results are reported in thousandths of an inch.

A caliper reading is usually the average of several tests across the sheet.

#### **S**moothness

The smoothness is a measure of paper surface irregularities. The property affects many end uses, particularly the appearance of printing. The test is conducted by clamping the paper against a flat surface and measuring rate of air flow passing between the two surfaces. The Sheffield instrument is most commonly used, a higher number indicating a rougher sheet. Some typical smoothness values are: 10 –30 for very smooth paper; 100 –150 for smooth paper and 200 –250 for vellum paper.

#### **Porosity**

The porosity is an indication of the openness of paper, as measured by resistance to the passage of air through the sheet.

Two types of instruments are generally used to measure porosity — Gurley and Sheffield. The Gurley instrument measures the seconds required for a given volume of air to pass through a single sheet and is generally used for porous papers. A high reading indicates a less porous (or more dense) paper. A high Sheffield porosity measures the flow rate of air through a single sheet and is generally used for non-porous or dense sheets. A high Sheffield reading indicates a more open paper. A typical Gurley porosity test for 50lb. smooth offset would be 10–20 seconds.

#### Moisture

The moisture content of paper is affected by both the drying conditions when made and the relative humidity environment in which it is used. Ideally, paper should be made with a moisture content in equilibrium with the relative humidity where it will be used. Of course, environmental conditions vary at different places and times of the year. Ideal conditions seldom occur. If paper is drier than its environment, it will pick up moisture; and if lower it will lose moisture. Under extreme differences, these changes in moisture level will cause dimensional changes in the paper and cause problems such as curl, warp and waviness. Ideally, paper is in balance with an environment of 74°F and 50% relative humidity.

To achieve accurate and reproducible results, exacting test procedures are followed to determine paper moisture. The sample is weighed, dried in an oven at 105°C and then weighed dry. The difference in weight is the amount of water in the sheet removed by drying. Paper is generally made to contain between 4% and 7% moisture.

#### Wax Pick

(Dennison) is a measurement of paper surface strength. This test evaluates surface bonding strength and relates to the tendency for tacky inks to pick fibers or particles from paper surface. To test for these properties, a series of waxes of varying hardness are melted, placed on the sample, and after cooling pulled off. The softest wax (lowest number) that removes surface fibers designates wax pick number. A typical wax pick range for uncoated printing papers is 10 –12.

#### **Brightness and Whiteness**

Aside from its aesthetic importance, paper brightness affects the legibility and contrast of printing. The brightness test measures the reflectance of paper under strict optical conditions and relates it to a white standard (Magnesium Oxide). This test is mainly applicable to white paper grades.

#### What is Whiteness?

The absence of other colors in white makes for good contrast with printed color combinations. Cream shaded papers are not favored as they are associated with aging and fading. People favor papers with a slight shift to the blue shade which they associate with newness, freshness and cleanliness. International Paper's introduction of whiteness through its VIP™ Technologies assures the highest benefit under the most economical conditions — greater value to you and your customers.

#### What is Important — Whiteness or Brightness?

If you want to have more impact — focus on whiteness. Whiteness is more important and accurate with regard to the human perception of quality and uniformity of paper than is brightness. Whiteness is the best descriptor of the appearance of white paper.

#### **Opacity**

Opacity is the lack of transparency that allows a sheet to conceal print on its reverse side. Opacity is greatly influenced by basis weight, brightness, type of fiber and filler. In testing, reflectance of paper is measured when backed successfully by a white body and a black body. The ratio of these two measurements determines the opacity reading.

#### **Grain Direction**

In papermaking, the direction in which most fibers lie that correspondes with the direction in which the paper is made on a paper machine.

Most industry standards express the direction of the grain as the second number when giving dimensions (i.e. 17 x 11 inches would indicate a sheet is grain short).

#### **Standard Paper Sizes**

As trade continues its global expansion, international interoffice communication via fax machines and copiers will increase. As a result, the use of European and Japanese paper sizes will probably increase, too.

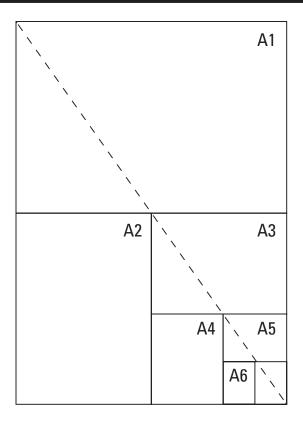
In Europe and Japan, paper sizes follow the metric standard and are referred to as ISO or JIS "A" series. One advantage in using this sizing is that each size in the "A" range is half the area of the preceding size (the squared dimensions), but the proportions remain the same (see diagrams next page).

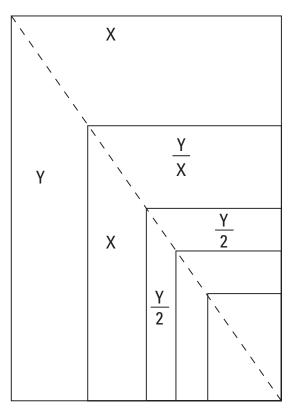
This facilitates the photographic enlargement or reduction of illustrations and all text within the range of sizes. The range is suitable for all reprographic processes. The A4 size normally is used for trade literature, government publications, journals, specifications, bills of lading, letterheads and contracts.

Some countries also use the J15 "B" series. "B" series sized papers are normally intended for posters or other items such as wall charts, where the difference in size of the larger sheets in the "A" series represents too large a jump.

The chart on page 169 gives a comparison of the standard sizes of paper.

## Standard Paper Sizes Relationship





See page 168 for an explanation of these charts.

## **Standard Paper Sizes Relationship**

	U.S. Standard		OSI	European ISO and JIS "A" Series	ries		Japanese JIS "B" Series	
	Size	92		Si	Size		Size	9Z
Designation	mm	Inches	Designation	mm	Inches	Designation	mm	Inches
	889 x 1,575	35 x 45	A0	841 x 1,189	33.1 x 46.8	B0	1,030 x 1,456	40.6 x 57.3
	584 x 889	23 x 35	A1	594 x 841	23.4 x 33.1	B1	$728 \times 1,030$	28.7 × 40.6
	432 x 559	17 x 22	A2	420 x 594	$16.5 \times 23.4$	B2	515 x 728	20.3 x 28.7
Ledger	279 x 432	11 x 17	A3	297 x 420	11.7 x 16.5	B3	364 x 515	14.3 x 20.3
Legal	I	8.5 x 14						
Letter	216 x 279	8.5 x 11	A4	$210 \times 297$	8.3 x 11.7	B4	257 x 364	10.1 x 14.3
Monarch	I	7.25 x 10.5						
Executive/ Half/State- ment	140 × 216	5.5 x 8.5	A5	148 x 210	5.8 × 8.3	B5	182 x 257	7.2 × 10.1
	108 x 140	$4.25 \times 5.5$	A6	105 x 148	4.1 x 5.8	B6	182 x 182	5.0 × 7.2
	89 x 108	3.5 x 4.25	A7	74 x 105	2.9 x 4.1	B7	91 x 182	$3.6 \times 5.0$

See page 168 for an explanation of these charts.

# **Equivalent Weights**

In reams (500 sheets); basis weights in bold type.

Book/Offset   25 x 38	Bond/Writing 17 x 22	<b>Cover</b> 20 x 26	<b>Bristol</b> 22.5 x 28.5	<b>Index</b> 25.5 x 30.5	<b>Tag</b> 26 x 36	Metric Grams Pe
						Sq. Mete
Book and Of		10	20	25	07	
30	12	16	20	25	27	44
40 45	16	22	27	33	36	59
50	18	25 27	30 34	37	41	67
60	20			41	45	74
70	24	33	41	49	55	89
	28	38	47	57	64	104
80 90	31	44	54	65	73	118
	35	49	61	74	82	133
100	39	55	68	82	91	148
120	47	66	81	98	109	178
Bond/Writin						
33	13	18	22	27	30	49
41	16	22	27	33	37	60
51	20	28	34	42	46	75
61	24	33	41	50	55	90
71	28	39	48	58	65	105
81	32	44	55	67	74	120
91	36	50	62	75	83	135
102	40	56	69	83	92	150
Cover						
91	36	50	62	75	83	135
110	43	60	74	90	100	162
119	47	65	80	97	108	176
146	58	80	99	120	133	216
164	65	90	111	135	150	243
183	72	100	123	150	166	271
Vellum Brist	tol					
99	39	55	67	81	90	147
119	47	65	80	97	108	175
148	58	81	100	121	135	219
178	70	97	120	146	162	263
207	82	114	140	170	189	307
237	93	130	160	194	216	351
Index						
110	43	60	74	90	100	163
135	53	74	91	110	122	199
170	67	94	115	140	156	253
207	82	114	140	170	189	307
Tag	02	117	170		100	
	AD.	60	7/	00	100	160
110	43	60	74	90	100	163
137	54	75	93	113	125	203
165	65	90	111	135	150	244
192	76	105	130	158	175	285
220	87	120	148	180	200	326
275	108	150	186	225	250	407

