

Carolina®

CORE ATTRIBUTES

Brightness and Whiteness

Cover grades are available in a blue-white 94. The high 145 whiteness contributes even more than brightness to the superior appearance of the paper. Ultra Light grades are available in both blue-white 94 and neutral white 88 brightness levels for a choice of look and feel. CIS blanks are available in neutral white 88.

Smoothness

A smooth, uniform printing surface ensures sharp images, crisp text, and a luxurious finish.

Printability

Great ink holdout and quick drying time offer excellent print definition and a faster turnaround on print jobs.

Gloss

Superior 60 paper gloss that enhances print gloss, print snap, and color intensity.

Strength

Outstanding strength and dimensional stability accommodate die cutting, embossing, foil stamping, folding, thermography, and coatings of all kinds.

Variety

A diverse and extensive product line—including postal-guaranteed products, a digital offering, and heatset web grades—provides the versatility to meet the needs of almost any job.

Availability

Dedicated manufacturing and distribution resources help ensure fast delivery.

INTERNATIONAL  PAPER

www.IPpaper.com



For a long time, Carolina® has been *the national leader in coated cover.*

With dramatic improvements to whiteness and brightness and a more complete product offering, Carolina performance has been supercharged to take an even bigger share of the market. Customers look to Carolina for exceptional print gloss and print fidelity. They rely on it for stiffness and durability. And its best-in-class service platform continues to make Carolina accessible and dependable.

APPLICATIONS



- Book covers
- Posters
- Calendars
- Folders
- Direct mail
- Collateral
- Point of purchase
- Trading cards
- Menus
- Postcards
- Greeting cards
- Annual reports

Carolina® - Made in the USA.
Printed on Carolina C2S, 8 pt.

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THE BOOK ON

INTERNATIONAL  PAPER

Carolina®

SELLING POINTS

- Coated cover leader.
- Industry-leading brightness (94) and whiteness (145).
- A more comprehensive product offering.
- Full digital line-up for emerging technologies.
- Cleaner, stronger, and stiffer than enamels for exceptional printability at a lower basis weight. Print gloss comparable to enamel is achieved by simply applying a varnish or aqueous coating.
- Comprehensive service platform.
 - QTA shipments in 2 to 5 business days. (1,000 to 44,000 lbs.)
 - Top 20 items guaranteed in stock at Springhill (LA), Hammond (IN), Sulco (MA), Hazleton (PA), Ontario (CA), Portland (OR), Chester (VA), or Dallas (TX). (minimum 1 pallet or skid, maximum 1 truckload)
 - Enhanced-make (INAL) shipped in 6 to 21 days. (faster than make, slower than QTA)
- The largest coated bristols capacity in the industry, ensuring flexibility and reliability.
- One of the most extensive merchant distribution networks in the industry.
- Regional customer technical support and a comprehensive website, www.IPPaper.com, with valuable support features for merchants, printers, designers, and converters.
- Availability of FDA-approved, alkaline, and 10% post-consumer content offerings.
- Postal-guaranteed products meet stringent USPS regulations: C1S, C2S, and Web Cover 7.4 and 9.4 pt.

PRODUCT SUMMARY

Product	Caliper	Brightness	Gloss
C1S Cover	7-12	94	60
C1S Ultra Light	10-12	88 & 94	60
Envirocote® C1S Cover*	8-12	94	60
C1S Blanks Med. Dens.	14-24	88	55
C1S Blanks Low Dens.	14-28	88	55
C2S Cover	7-24	94	60
C2S Web Cover (20 x 26 Basis)	70 lb., 75 lb., 84 lb., 87 lb.	94	60

*Make only. Please contact mill for manufacturing information.

DIGITAL OFFERINGS

Carolina® Digital offers all the versatility and quality of Carolina in convenient cut-sizes for trouble-free performance on laser and toner equipment and on offset presses.

Product	Size	Wt/M Sheets
10 pt. C1S 133 lbs.	8.5 x 11	28.79
	17 x 11	57
	18 x 12	67
	18.125 x 13.375 20.5 x 14.33	75 82.25
10 pt. C2S 144 lbs.	8.5 x 11	31.67
	17 x 11	62
	18 x 12	72
	18.125 x 13.375 20.5 x 14.33	81 98
12 pt. C1S 155 lbs.	8.5 x 11	33.55
	17 x 11	61
	18 x 12	78
	18.125 x 13.375 20.5 x 14.33	87 106

MANUFACTURING INFORMATION

Facilities	Grades	ISO	ECF
Augusta, GA	C1S 7 pt.-28 pt.	6/95	Yes
Riegelwood, NC	C2S 7 pt.-24 pt.	4/94	Yes
Franklin, VA*	C1S 8 pt.-12 pt.	-	Yes
Texarkana, TX	C1S 15 pt.-24 pt.	11/95	Yes
Sturgis, MI	All Sheeting	-	n/a
Springhill, LA	Sheeting/Warehouse	-	n/a
Hazleton, PA	All Sheeting	-	n/a
Ontario, CA	Sheeting/Warehouse	-	n/a
Hammond, IN	Warehouse	-	n/a
Sulco, MA	Warehouse	-	n/a
Portland, OR	Warehouse	-	n/a
Dallas, TX	Warehouse	-	n/a
Chester, VA	Warehouse	-	n/a

*Alkaline production.

PAPER MATH FORMULAS

Price at Equivalent Basis Weight
 $\text{competitive } \$/\text{cwt.} \times \frac{\text{competitive basis weight}}{\text{IP basis weight}} = \text{IP equivalent } \$/\text{cwt.}$

Linear Footage of a Roll of Paper
 $\frac{\text{roll weight} \times \text{area of basic size} \times 500}{\text{basis weight} \times \text{roll width} \times 12} = \text{approximate* linear footage}$
 *Linear footage may vary based on finish of the sheet.

Price Per Thousand Square Feet
 MSF price: $\text{MSF} = \frac{\$ \text{cwt.} \times \text{basis weight}}{300}$
 Cwt. price: $\$ \text{cwt.} = \frac{\text{MSF} \times 300}{\text{basis weight}}$

M Weight
 $\frac{\text{given sheet size} \times \text{basis weight}}{\text{area of basic size}} = \text{ream wt.}$
 ream wt. x 2 = M weight

Price Per 1,000 Sheets
 $\frac{\text{cwt. price} \times \text{M weight}}{100} = \text{price/1,000 sheets}$

COMPETITIVE COMPARISON (AS OF 4/06)

Basis Weight (lbs./24x36-500) LD = Low Density MD = Medium Density

C1S COVER

	7 pt.		8 pt.		9 pt.		10 pt.		12 pt.	
	LD	MD	LD	MD	LD	MD	LD	MD	LD	MD
Carolina	108	112	120	122	133	145	155			
MeadWestvaco (Tango®)	-	112	120	124	-	145	-			
MeadWestvaco (Tango Perform. Plus)	-	-	-	-	138	-	156			
MeadWestvaco (Printkote®)	-	112	120	122	-	145	-			
Domtar (Cornwall®)	-	110	-	-	133	-	155			
Tembec (Kallima®)	-	111	117	123	-	141	-			

C1S BLANKS

	15 pt.		18 pt.		20 pt.		22 pt.		24 pt.	
	LD	MD	LD	MD	LD	MD	LD	MD	LD	MD
Carolina	172	185	199	215	215	233	-	-	251	267
MeadWestvaco (Tango)	172	-	199	-	212	-	-	-	250	-
MeadWestvaco (Printkote)	172	-	199	-	212	-	-	-	250	-
Tembec (Kallima)	169	-	196	-	-	-	-	-	-	-
Domtar (Cornwall)	176	-	200	-	-	-	250	-	-	-

C2S COVER

	7 pt.	8 pt.	9 pt.	10 pt.	12 pt.	14 pt.	16 pt.	20 pt.	24 pt.
Carolina	112	120	138	144	165	188	203	240	-
MeadWestvaco (Tango)	-	120	138	144	167	188	203	240	286
MeadWestvaco (Printkote)	-	120	138	144	167	188	203	240	286
Domtar (Cornwall)	-	124	-	149	167	-	-	-	-

C2S HEATSET WEB COVER

	7 pt.	8 pt.	9 pt.	10 pt.
Carolina	70	75	84	87
Sappi (Aero®)	68	73	83	88
New Page (Sterling Ultra™)	70	80	83	-