

# Crescendo® C2S

PAPERBOARD

## PACKAGING USES

Food  
Healthcare  
Media & Electronics  
Personal & Beauty Care

## PRINTING USES

Coated Cover

Superior performance. Superior aesthetics. Crescendo delivers both. True, double-coating on both sides delivers outstanding runnability, printability, and consistency on press and through converting. Add in high brightness, clean-white styling, and an ultra-smooth surface and Crescendo C2S becomes the preferred choice for any graphical or packaging application where quality and visual impact matter.

## FEATURES

Superior Runnability

Clean-White Styling

Smooth Surface

Quality Tactile Feel

Fade Resistance

## CERTIFICATIONS

Manufacturing

Forestry and Procurement

Chain of Custody

Food Contact

Environmental and Safety

## CLASSIFICATIONS

Product Type

Mill

## BENEFITS

Outstanding ink holdout, side-to-side uniformity, sheet cleanliness and consistency mean graphical or packaging jobs that optimize productivity and exceed customer expectations.

A distinctive clean-white styling delivers crisper colors and sharper contrast while maintaining optimal color fidelity on press to produce eye catching graphics that demand attention.

Crescendo's smooth surface delivers a visual aesthetic that denotes high quality. Full, double-coating on both sides ensures a quality image front to back.

Unique fiber mix and finishing process result in high stiffness for a finished piece that feels as good as it looks.

Color fast dyes provide fade resistance for shelf life and color integrity.

ISO 9001:2000

SFI Standards for Land Management and Wood Procurement (PEFC Endorsed)

SFI Chain of Custody Certification: BV-SFICOC-US08000163  
PEFC Chain of Custody Certification: Specific by Application. Contact MWW for Details.

USFDA 21 CFR §176.170 - Contact with Aqueous & Fatty Foods (with restriction)  
Due to optical brightener content, product is compliant for direct food contact as restricted to Food Types III, IV-A, V, VII-A, VIII, and IX [Table 1 - 21 CFR §176.170(c)]

USFDA 21 CFR §176.180 - Components of Paper and Paperboard in Contact with Dry Food (without restriction)  
ISEGA Certificate of Conformity / BgVV Compliant  
Kosher

US California Proposition 65 Compliant  
CONEG Model Heavy Metal and EC/94/62 Article II Compliant  
ASTM F 963-95 Toy Safety, EN 71-3 European Toy Safety Compliant  
CPSC 16 CFR 1303 Lead Ban Compliant  
Elemental Chlorine Free (ECF) Bleached Fiber  
RoHS Compliant

Solid Bleached Sulfate, SBS Paperboard, GZ

Covington, Virginia, U.S.A.

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## Grade Availability & Typical Properties (Metric)

Grade Availability by Weight											Units	Method	
Nominal Basis Weight	210	240	260	280	300	320	350	370	400	460	gsm	T-410	
Thickness	203	254	279	305	330	356	406	457	508	610	microns	T-411	
Caliper (pts)	.0080	.010	.011	.012	.013	.014	.016	.018	.020	.024	inches	T-411	
Moisture	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	percent	T-412	
Internal Bond	150	120	120	120	115	115	115	115	115	115	J/m <sup>2</sup>	um-403	
Stiffness													
L&W 15°	MD	80	128	164	244	301	345	466	624	788	1176	mN	ISO2493
	CD	43	69	87	126	155	187	254	345	443	674	mN	ISO2493
L&W 5°	MD	6.8	10.9	14.0	20.8	25.6	29.3	39.6	53	67	100	mNm	ISO5628
	CD	3.7	5.8	7.4	10.7	13.2	15.9	21.6	29.3	37.7	57.3	mNm	ISO5628
Taber 15°	MD	3.6	6.1	7.1	10.7	13.3	15.8	21.9	28.0	34.1	53.0	mNm	ISO2493
	CD	2.0	3.3	4.1	5.6	7.1	8.2	11.7	15.3	18.9	30.6	mNm	ISO2493
<b>Coated Side (both sides)</b>													
ISO Brightness	91	91	91	91	91	91	91	91	91	91	91	percent	ISO2470
GE Brightness	92	92	92	92	92	92	92	92	92	92	92	percent	T-452
CIE Whiteness	125	125	125	125	125	125	125	125	125	125	125	percent	ISO11475
Gloss	51	51	51	51	51	51	51	51	51	51	51	percent	T-480
Parker Print													
Side	Wire	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	μm	ISO8791
	Felt	1.4	1.4	1.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	μm	ISO8791
Sheffield													
Side	Wire	5	5	5	10	10	10	10	15	20	30	Sheffield	T-538
	Felt	20	20	20	10	10	10	10	15	20	30	Sheffield	T-538
Color													
CIE	L*	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	percent	CIELAB SCAN-P 72
	a*	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9		CIELAB SCAN-P 72
	b*	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5		CIELAB SCAN-P 72

Stiffness values shown represent measurements at the time of manufacture; field measurements are typically 3-5% higher.



For more information, please contact your MWV representative, or visit our website at [www.mwv.com](http://www.mwv.com).

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