

Crescendo® C1S

PAPERBOARD

PACKAGING USES

Food
Healthcare
Media & Electronics
Personal & Beauty Care

PRINTING USES

Coated Cover

Superior performance. Superior aesthetics. Crescendo delivers both. Unsurpassed in its reputation for outstanding runnability, printability, and consistency on press and through converting. Add in high brightness, clean-white styling, and a smooth surface and Crescendo becomes the preferred choice for any graphical or packaging application where quality matters.

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, 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. Uncoated backside styling matches the coated side for consistent visual appeal.

Crescendo's smooth surface delivers a visual aesthetic that denotes high quality. Full double-coating on the front, complemented by a super smooth uncoated side for 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		190	220	240	260	280	300	330	350	gsm	T-410
Thickness		203	254	305	323	356	389	442	475	microns	T-411
Caliper (pts)		.008	.010	.012	.0127	.014	.0153	.0174	.0187	inches	T-411
Moisture		5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	percent	T-412
Internal Bond		160	120	120	115	115	115	115	115	J/m ²	Um-403
Stiffness											
L&W 15°	MD	69	118	167	215	268	337	474	571	mN	ISO2493
	CD	33	55	81	104	130	165	232	285	mN	ISO2493
L&W 5°	MD	5.9	10.0	14.2	18.3	22.8	28.7	40.3	48.6	mNm	ISO5628
	CD	2.8	4.7	6.9	8.8	11.1	14.0	19.7	24.2	mNm	ISO5628
Taber 15°	MD	3.3	5.6	8.7	10.5	13.8	17.3	22.4	26.3	mNm	ISO2493
	CD	1.5	2.5	4.6	5.3	6.6	8.2	11.2	13.4	mNm	ISO2493
Coated Side											
ISO Brightness		91	91	91	91	91	91	91	91	percent	ISO2470
GE Brightness		92	92	92	92	92	92	92	92	percent	T-452
CIE Whiteness		125	125	125	125	125	125	125	125	percent	ISO11475
Gloss		51	51	51	51	51	51	51	51	percent	T-480
Parker Print		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	µm	ISO8791
Sheffield		5	5	5	5	5	10	15	20	Sheffield	T-538
Color											
CIE	L*	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		CIELAB SCAN-P 72
	b*	-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.

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