

WestRock

# Crescendo® C1S

If you're searching for visual impact,  
look no further.

Designed to meet the demanding needs of premium brands, WestRock Crescendo® C1S paperboard features high brightness, clean white styling and a smooth surface. All of which are hallmarks of exceptional visual impact. But this premium paperboard's appeal goes much deeper. Crescendo C1S owns a reputation for outstanding runnability, printability, and on-press consistency through converting.

## Packaging uses

Beauty and  
Personal Care

Premium Food  
Packaging

Healthcare

Media and  
Electronics

Other Premium  
Packaging

## Product Classification

Solid Bleached  
Sulfate

SBS Paperboard

GZ

## What You Can Expect from Us

- Clean, White Styling** This distinctive clean-white shade delivers crisp colors and sharp contrast while maintaining optimal color fidelity on press.
- Smooth Surface** Crescendo's smooth surface delivers a visual aesthetic that denotes high quality.
- Quality Tactile Feel** A unique fiber mix and finishing process results in high stiffness. So, you can expect a finished package that feels as good as it looks.
- Superior Runnability** You can expect outstanding product uniformity and consistent graphics. Both of which help you optimize productivity and reduce waste.
- Fade Resistance** Paper shade is achieved using bleached fiber and color-fast dyes to provide improved color integrity and extended packaging shelf life.
- Caliper Range** Broad caliper offerings for use across a wide range of printing and packaging applications.

## Additional Product Information

- Sustainability** Recyclable.  
All WestRock North American paperboard mills are certified to the SFI®, PEFC™, FSC™ Chain of Custody Standards. Contact your WestRock sales representative for certified fiber availability for this product.
- Food Contact** Meets multiple national requirements for food contact packaging, e.g., US, Canada, Germany and the EU. Contact your sales representative for information on specific markets and end uses.  
ISEGA Certificate available.  
Kosher documentation available.
- Quality** Produced at an ISO 9001 certified facility.
- Environmental and Safety** Notices under US California Proposition 65 and the EU REACH regulation are not required.  
Elemental chlorine free (ECF) bleached fiber.  
Meets heavy metal limits of the US Model Toxics in Packaging rules and Article 11 of EU Directive 94/62/EC.

## Grade Availability & Typical Properties (U.S.)

Crescendo® C1S

Grade Availability by Caliper										Units	Method	
<b>Caliper (pts)</b>	.0085	.010	.012	.0136	.0148	.016	.0178	.0194	.0235	inches	T-411	
<b>Nominal Basis Weight</b>	112	124	145	163	172	182	199	212	250	lbs/3000 sq ft	T-410	
<b>Moisture</b>	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	percent	T-412	
<b>Internal Bond</b>	105	80	70	70	70	70	70	70	70	.001 ft-lb/sq in	T-569	
<b>Stiffness</b>												
<b>Taber 15°</b>	<b>MD</b>	32	55	85	112	142	174	217	269	430	gf-cm	ISO2493
	<b>CD</b>	15	26	45	56	70	86	112	136	230	gf-cm	ISO2493
<b>Coated Side</b>												
<b>Parker Print</b>	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	μm	ISO8791	
<b>ISO Brightness</b>	91	91	91	91	91	91	91	91	91	percent	ISO2470	
<b>GE Brightness</b>	92	92	92	92	92	92	92	92	92	percent	T-452	
<b>CIE Whiteness</b>	122	122	122	122	122	122	122	122	122	percent	ISO11475	
<b>Color</b>												
<b>CIE</b>	<b>L*</b>	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	L*	CIELAB SCAN-P 72
	<b>a*</b>	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	a*	CIELAB SCAN-P 72
	<b>b*</b>	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	b*

## Grade Availability & Typical Properties (Metric)

Grade Availability by Weight										Units	Method	
<b>Thickness</b>	216	254	305	345	376	406	452	493	596	microns	T-411	
<b>Nominal Basis Weight</b>	182	202	236	265	280	296	324	345	407	gsm	T-410	
<b>Moisture</b>	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	percent	T-412	
<b>Internal Bond</b>	221	168	147	147	147	147	147	147	147	J/m <sup>2</sup>	T-569	
<b>Stiffness</b>												
<b>Taber 15°</b>	<b>MD</b>	3.1	5.4	8.3	11.0	13.9	17.1	21.6	26.4	42.2	mNm	ISO2493
	<b>CD</b>	1.5	2.5	4.4	5.5	6.9	8.4	11.0	13.3	22.6	mNm	ISO2493
<b>L&amp;W 15°</b>	<b>MD</b>	56	110	180	244	315	390	498	614	993	mN	ISO2493
	<b>CD</b>	22	46	94	120	153	191	252	309	532	mN	ISO2493
<b>L&amp;W 5°</b>	<b>MD</b>	4.7	9.3	15.3	20.7	26.8	33.2	42.4	52.2	84.4	mN	ISO5628
	<b>CD</b>	1.9	3.9	8	10.2	13	16.2	21.5	26.3	45.3	mN	ISO5628
<b>Coated Side</b>												
<b>Parker Print</b>	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	μm	ISO8791	
<b>ISO Brightness</b>	91	91	91	91	91	91	91	91	91	percent	ISO2470	
<b>GE Brightness</b>	92	92	92	92	92	92	92	92	92	percent	T-452	
<b>CIE Whiteness</b>	122	122	122	122	122	122	122	122	122	percent	ISO11475	
<b>Color</b>												
<b>CIE</b>	<b>L*</b>	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	L*	CIELAB SCAN-P 72
	<b>a*</b>	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	a*	CIELAB SCAN-P 72
	<b>b*</b>	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	b*

Values are subject to change without notice.

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

The information contained in this Product Guide is accurate to the best of WestRock's knowledge and belief. It is intended, however, only as an introduction to the typical properties of the product. WestRock disclaims any guarantee or warranty with respect to the accuracy of this information or, based on this document, with respect to the suitability of the product for any particular use, including, but not limited to, the compliance of the product with laws, regulations, or standards. This information is subject to change without notice.

Certificate Codes: SFI Certified Sourcing: NSF-SFI-CS-6S751, SFI CoC: NSF-SFICOC-6S751, PEFC: NSF-PEFCOC-6S751, FSC Company Code: FSC-C104002

© 2017 WestRock Company. WestRock® and Crescendo® are trademarks of WestRock Company. All rights reserved worldwide.



[westrock.com](http://westrock.com)