

# Candesce<sup>®</sup> CIS

## Single-sided perfection.

Depend on Candesce<sup>®</sup> CIS to deliver exceptional performance run after run. Its ultra-smooth print surface provides the foundation for superior graphics. Our proprietary fiber blends are designed to provide the strength to hold up to your most demanding print jobs. Start with Candesce CIS, finish with eye-popping packaging.

### Product Uses

- Health and beauty packaging
- Pharmaceutical packaging
- Candy and bakery boxes
- Dry and frozen food packaging
- Point of purchase displays
- Presentation folders
- Greeting cards
- Heat set web offset applications

### Features and Benefits

Run-to-run consistency

Our process control systems provide unmatched run-to-run consistency, giving you exacting predictability. Fewer surprises and slowdowns mean less paperboard and ink waste, ultimately reducing raw material usage.

Silky-yet-crisp finish

Ultra-smooth surface lets you create graphics that bring customers in for a closer look. The rich tactile feel will reinforce the message of high quality products.

Uniform ink absorption

Proprietary coating delivers uniform ink absorption and optimal drying. Printed images look richer, have greater depth and have the visual appeal that demands a second look.

Performance, superior utility and versatility

Our unique fiber mix and proprietary coating are designed to have the strength to hold up to your most demanding needs. Die-cutting, gluing and value-added print techniques are all a breeze. Special coating and multi-layer print and finishing techniques give you a luxurious product, maximizing your printed impact.

Consistent blue-white shade and 89 GE brightness

Engineered for color stability and consistency, Candesce CIS is the perfect choice for any color palette, including skin tones. Candesce CIS delivers crisper colors and sharper contrast while maintaining optimal color fidelity on press to produce graphics that demand attention.

OBA-free

Produced without optical brightening agents (OBA), your print will maintain its visual integrity. Candesce CIS will let your print look as good next week as it does today, even if exposed to direct sun or fluorescent lighting.

Sustainability and source reduction

Made from natural wood fiber it is a resource that can be recycled and is continually renewed. Our optimized stiffness-to-weight ratio delivers maximum protection with minimum weight.

FSC<sup>®</sup>, SFI<sup>®</sup> or PEFC<sup>®</sup> certification

Ensures that the fiber used was harvested from responsible, well-managed forests.

## Typical Values

English	Units	10-129	12-143	14-163	15-172	16-182	18-199	20-217	22-233	24-250	26-273	28-294
Caliper (nominal)	mils	10	12	14	15	16	18	20	22	24	26	28
Basis Weight (nominal)	lbs/3msf	129	143	163	172	182	199	217	233	250	273	294
Brightness	GE	89	89	89	89	89	89	89	89	89	89	89
b* Value	Spectro	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Smoothness (primary side)	Sheffield	12	15	19	21	21	25	25	26	29	30	30
Parker Print	microns	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
Plybond	lbs/in <sup>2</sup>	65	56	46	45	44	41	41	41	41	41	41
Stiffness – MD	Taber g-cm	51	78	115	152	165	223	290	393	483	570	673
Stiffness – CD	Taber g-cm	25	38	58	72	83	115	147	190	236	275	337
Metric	Units	254-210	305-233	356-265	381-280	406-296	457-324	508-353	559-379	610-407	660-444	711-478
Thickness	microns	254	305	356	381	406	457	508	559	610	660	711
Basis Weight	g/sq. <sup>m</sup>	210	233	265	280	296	324	353	379	407	444	478
Stiffness – MD	mN	100	153	225	298	323	437	568	770	947	1117	1320
Stiffness – CD	mN	49	74	114	141	163	225	288	372	463	539	660

Extrusion options are available for Candesce® CIS

## Selected Standards and Certifications

### Fiber procurement and chain-of-custody

- FSC chain-of-custody: SCS-COC-004564
- SFI fiber sourcing, chain-of-custody, and product labeling certification NSF-SFICOC-C0035688 and BV-SFICOC-US007081-I
- PEFC chain-of-custody: BV-PEFC-US008236-I (Idaho mill)

### Food contact

- USDA 21 CFR 176.170 - Contact with aqueous and fatty foods
- USDA 21 CFR 176.180 - Contact with dry food and food types III, IV-A, V, VII-A, VIII and IX
- USDA 21 CFR 176.260 - Use of reclaimed fiber from manufacturer process
- USDA 21 CFR 109.30a(9) - PCB content limits to 10 parts per million (ppm)
- EN 1230-2:2009 - Robinson sensory analysis for odor or taste transfer

### Health and safety

- U.S. California Proposition 65 compliant
- CONEG model heavy metal and EC/94/62 article II compliant
- Elemental Chlorine Free (ECF) bleached fiber
- RoHS (Restriction of Hazardous Substances) compliant
- Canadian Environmental Protection Act, 1999 compliant
- European Chemicals Agency (ECHA) Substances of Very High Concern (SVHC) compliant

### Manufacturing

- ISO 9001:2008 certification number QSR-249 & ISO 9001:2015 certification number C39425



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