

# Candesce<sup>®</sup> Cupstock – *Non-Clay Coated Cold*

## Performance in the palm of your hand.

Produced using 100% virgin fiber, Candesce<sup>®</sup> Cupstock provides the ultimate in purity. More than 60 years of experience in delivering food grade paperboard have earned us the reputation for industry leading cleanliness. Candesce Cupstock's cornerstone is purity, but we add structural integrity giving you superior forming and printing.

### Product Uses

- Cold drinks
- Ice cream cups

### Features and Benefits

Unmatched cleanliness	Cleanliness and purity unmatched in the industry. Our 100% web inspection system monitors for the smallest of imperfections during production, allowing us to continuously improve our cleanliness levels.
Uniform ink lay	Proprietary manufacturing processes deliver uniform ink lay. Printed images look richer and have greater depth.
Smooth surface	Our smooth, uncoated surface is a surprisingly impressive alternative to more expensive clay coated cupstock for frozen and quick serve ice cream and single use fountain beverages.
Superior stretch properties	Our cupstock stretch values provide optimum rim formation, delivering the sidewall rigidity required for the most demanding applications.
Softwood fiber	Our 100% softwood fiber provides long, strong fibers for superior strength as well as exceptional forming and sealing characteristics.
Internal sizing	Candesce Cupstock is produced with the proper internal sizing to meet your specific application. Our proprietary sizing formulations provide superior wick resistance and durability.
Run-to-run consistency	Our process control systems provide unmatched run-to-run consistency, maximizing efficiency on high speed forming and filling lines. Fewer surprises and slowdowns mean less waste.
FSC <sup>®</sup> , SFI <sup>®</sup> or PEFC <sup>®</sup> certification	Natural wood fiber is a renewable resource that can be easily recycled. Candesce Cupstock comes with either FSC or SFI chain-of-custody certification ensuring that the fiber used was harvested from responsible, well-managed forests.

## Typical Values

English	Units	10.8-129	11.8-141	12.5-138	13.5-150	14-154	15-160	16.5-175	17.5-185	18.0-201	20-210
Caliper (nominal)	Mils	10.8	11.8	12.5	13.5	14	15	16.5	17.5	18	20
Basis Weight (nominal)	Lbs/3msf	129	141	138	150	154	160	175	185	201	210
Brightness	GE	80	80	80	80	80	80	80	80	80	80
b* Color	Spectro	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Smoothness (printed side)	Sheffield	135	140	145	160	190	205	235	230	240	250
30 min 20% LA Ewick	Kg/m <sup>2</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Plybond	lbs/in <sup>2</sup>	58	58	58	58	58	56	55	54	54	53
Stiffness – MD	Taber g-cm	70	88	95	125	140	165	206	245	275	355
Stiffness – CD	Taber g-cm	30	40	42	50	60	70	88	110	120	160
Stretch – MD	%	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Stretch – CD	%	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
Metric	Units	274-210	300-229	318-225	343-244	356-251	381-260	419-285	445-301	457-327	508-342
Thickness	microns	274	300	318	343	356	381	419	445	457	508
Basis Weight	g/sq.m	210	229	225	244	251	260	285	301	327	342
Plybond	kPa	400	400	400	400	400	386	379	372	372	365
Stiffness – MD	mN	137	172	186	245	274	323	404	480	539	696
Stiffness – CD	mN	59	78	82	98	118	137	172	216	235	314

Both single and double sided polyethylene extrusion is available in a variety of weights, starting at 6.5 lbs. (10.6 GSM), and in matte and mirror finishes. Optional flame treatment of the print side polyethylene allows for consistent ink adhesion with excellent sealing.

## Selected Standards and Certifications

### Fiber procurement and chain-of-custody

- FSC chain-of-custody and controlled wood standards: BV-COC-007380
- SFI fiber sourcing, chain-of-custody, and product labeling certification BV-SFICOC-US007081-I
- PEFC chain-of-custody: BV-PEFC-US008236-I

### Food contact

- USFDA 21 CFR 176.170 - Contact with aqueous and fatty foods
- USFDA 21 CFR 176.180 - Contact with dry food and food types III, IV-A, V, VII-A, VIII and IX
- USFDA 21 CFR 176.260 - Use of reclaimed fiber from manufacturer process
- USFDA 21 CFR 109.30a(9) - PCB content limits to 10 parts per million (ppm)
- ISEGA compliance - Commission regulation (EU) No 10/2011 and regulation (EC) No 1935/2004 of the European Parliament. Directives 80/590/EEC and 89/109/EEC on food contact.

### 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



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