

Candesce[®] Cupstock – Clay Coated

Where purity meets performance.

Produced using 100% virgin fiber, Candesce[®] Clay-coated 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. Candesce coated cupstock can be ordered for hot, cold or frozen applications.

Product Uses

- Premium ice cream, sherbet and frozen yogurt
- Dry foods such as cereal, noodles and instant soup
- Hot and cold drink cups

Features and Benefits

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|--|--|
| 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. |
| Superior stretch properties | Our cupstock stretch values provide optimum rim formation, delivering the sidewall rigidity required for the most demanding applications. |
| Soft wood 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. |
| Smooth clay-coated surface | Our smooth surface lets you create high quality graphics that will maximize shelf appeal. Our proprietary clay coating provides an exceptionally smooth surface to meet the needs of the most exacting brand managers. |
| 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 [®] , SFI [®] or PEFC [®] 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 | 12.5-146 | 14-162 | 15-170 | 16-180 | 17-189 | 18-201 | 19-210 | 20-218 | 22-230 | 23-248 |
|---|---------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Caliper (nominal) | mils | 12.5 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 23 |
| Basis Weight (nominal) | lbs/3msf | 146 | 162 | 170 | 180 | 189 | 201 | 210 | 218 | 230 | 248 |
| Brightness | GE | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 |
| 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 | 30 | 45 | 48 | 60 | 65 | 80 | 85 | 90 | 105 | 115 |
| 30 min 20% LA Ewick ¹ | g/100" | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Hot Coffee Edgewick, Coffee Mate ² | l/32" | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Plybond | lbs/in ² | 60 | 60 | 60 | 55 | 55 | 55 | 55 | 55 | 53 | 52 |
| Stiffness – MD | Taber g-cm | 105 | 150 | 170 | 210 | 245 | 270 | 320 | 360 | 465 | 512 |
| Stiffness – CD | Taber g-cm | 48 | 65 | 75 | 90 | 105 | 122 | 140 | 167 | 205 | 225 |
| Stretch – MD | % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Stretch – CD | % | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| Coat Weight | lbs/3msf | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Metric | Units | 318-238 | 356-264 | 381-277 | 406-293 | 432-308 | 457-327 | 483-342 | 508-355 | 559-374 | 584-404 |
| Thickness | microns | 318 | 356 | 381 | 406 | 432 | 457 | 483 | 508 | 559 | 584 |
| Basis Weight | gsm | 238 | 264 | 277 | 293 | 308 | 327 | 342 | 355 | 374 | 404 |
| Plybond | kPa | 414 | 414 | 414 | 379 | 379 | 379 | 379 | 379 | 365 | 359 |
| Stiffness – MD | mN | 206 | 294 | 333 | 412 | 480 | 529 | 627 | 706 | 911 | 1004 |
| Stiffness – CD | mN | 94 | 127 | 147 | 176 | 206 | 239 | 274 | 327 | 402 | 441 |
| Coat Weight | gsm | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |

¹ Cold cup applications only

² Hot cup applications only

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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