

PrintKote® Paperboard

PRODUCT GUIDE

Incredibly versatile, powerfully sustainable.

When it comes to versatility, PrintKote® leads the way. From foodservice to beauty packaging to healthcare, PrintKote offers a recyclable, high-quality solution for a wide range of applications.

Features

- Reliable uniformity
- Designed to provide a smooth surface and excellent ink holdout
- Classic bright-white styling without the use of optical brightening agents (OBA)
- High stiffness-to-weight ratio
- Consistent converting
- 12 caliper options

Benefits

- Delivers efficient runnability on converting and filling equipment
- Offers excellent printability
- Can prevent fading
- Can allow for increased throughput on converting and filling equipment
- Can reduce wasted board through conversion
- Provides a versatile solution for a wide range of applications

Additional product information

Sustainability

- Recyclable.
- All Smurfit Westrock North American paperboard mills are certified to the SFI®, PEFC, FSC™ Chain of Custody Standards. Contact your Smurfit Westrock sales representative for certified fiber availability for this product.
- Certificate Codes: SFI Certified Sourcing: NSF-SFI-CS-6S751, SFI CoC: NSF-SFICOC-6S751, PEFC: NSF-PEFCCOC-6S751, FSC Company Code: FSC-C104002.

Quality

- Produced at an ISO 9001 certified facility.

Environmental and Product 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.

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.

Applications

- Beauty and personal care
- Food packaging
- Foodservice
- Healthcare
- Media and electronics
- Store signage
- Greeting cards
- Book covers
- Game cards
- Brochures

Product classification

- Solid Bleached Sulfate
- SBS Paperboard
- GZ

Grade availability and typical board properties (U.S.)

| Grade availability by caliper | | | | | | | | | | | | | Units | Method | |
|-------------------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|-------|
| Caliper (pts) | | 0.010 | 0.012 | 0.014 | 0.015 | 0.016 | 0.017 | 0.018 | 0.020 | 0.022 | 0.024 | 0.026 | 0.028 | inches | T-411 |
| Nominal basis weight | | 124 | 145 | 163 | 172 | 182 | 187 | 199 | 212 | 233 | 250 | 267 | 284 | lbs/3000 sq ft | T-410 |
| Moisture content | | 5.3 | 5.3 | 5.3 | 5.5 | 5.6 | 5.5 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | percent | T-412 |
| Internal bond | | 75 | 65 | 70 | 70 | 70 | 70 | 70 | 75 | 80 | 80 | 80 | 80 | .001 ft-lb/sq in | T-569 |
| Stiffness | | | | | | | | | | | | | | | |
| Taber 15° | MD | 60 | 85 | 120 | 150 | 170 | 190 | 220 | 280 | 355 | 440 | 500 | 550 | gf-cm | T-489 |
| | CD | 30 | 45 | 60 | 85 | 95 | 105 | 120 | 155 | 190 | 230 | 265 | 290 | gf-cm | T-489 |
| Coated side | | | | | | | | | | | | | | | |
| GE Brightness | | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | percent | T-452 |
| Parker Print | | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | µm | T-555 |
| ZDT | | 60 | 52 | 47 | 45 | 45 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | psi | T-541 |
| Color | | | | | | | | | | | | | | | |
| Hunter | L | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | L-a-b | T-524 |
| | a | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | L-a-b | T-524 |
| | b | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | L-a-b | T-524 |

Grade availability and typical board properties (Metrics)

| Grade availability by weight | | | | | | | | | | | | | Units | Method | |
|------------------------------|----|------|------|------|------|------|------|------|------|------|------|------|-------|---------|-------|
| Thickness | | 254 | 305 | 356 | 381 | 406 | 432 | 457 | 508 | 559 | 610 | 660 | 711 | microns | T-411 |
| Nominal basis weight | | 202 | 236 | 265 | 280 | 296 | 304 | 324 | 345 | 379 | 407 | 435 | 462 | gsm | T-410 |
| Moisture content | | 5.3 | 5.3 | 5.3 | 5.5 | 5.6 | 5.5 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | percent | T-412 |
| Internal bond | | 158 | 137 | 147 | 147 | 147 | 147 | 147 | 158 | 168 | 168 | 168 | 168 | J/m² | T-569 |
| Stiffness | | | | | | | | | | | | | | | |
| Taber 15° | MD | 5.9 | 8.3 | 11.8 | 14.7 | 16.7 | 18.6 | 21.6 | 27.5 | 34.8 | 43.1 | 49.0 | 53.9 | mNm | T-489 |
| | CD | 2.9 | 4.4 | 5.9 | 8.3 | 9.3 | 10.3 | 11.8 | 15.2 | 18.6 | 22.6 | 26.0 | 28.4 | mNm | T-489 |
| Coated side | | | | | | | | | | | | | | | |
| GE Brightness | | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | percent | T-452 |
| Parker Print | | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | µm | T-555 |
| ZDT | | 413 | 358 | 324 | 310 | 310 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | kPa | T-541 |
| Color | | | | | | | | | | | | | | | |
| Hunter | L | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | L-a-b | T-524 |
| | a | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | -0.8 | L-a-b | T-524 |
| | b | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | L-a-b | T-524 |

Values are subject to change without notice.

For more information, please contact your Smurfit Westrock representative or visit our website at westrock.com/printkote.

The information contained in this Product Guide is accurate to the best of Smurfit Westrock’s knowledge and belief. It is intended, however, only as an introduction to the typical properties of the product. Smurfit 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.

All Smurfit Westrock North American mills are ISO registered and certified to the SFI®, PEFC™, and FSC™ Chain of Custody Standards.

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