

WestRock

CarrierKote®

Wet, cold environments have met their match.

WestRock CarrierKote® is a high-performing unbleached kraft paperboard that delivers consistency, time and again. Engineered for strength and to address the demands of wet and cold environments, it's no wonder CarrierKote has become the worldwide industry standard for beverage carton packaging. The coated side features a smooth, glossy surface for exceptional printability that results in stunning billboard graphics that demand attention. You can also expect outstanding converting performance, especially in the areas of die-cutting, folding, and gluing.



Packaging Uses

Beverage
Filter Frames

Product Classification

Coated Natural Kraft®
CNK® Paperboard
Coated Unbleached Kraft

What You Can Expect from Us

Strength and Integrity

CarrierKote's excellent strength properties provide packaging integrity in wet and cold environments, common in the beverage industry.

Printability

CarrierKote's proprietary clay coating gives it a smooth, opaque surface and enables crisp, vibrant graphics. You can expect great shelf-appeal.

Stiffness-to-Weight Ratio

Stiffness levels can be achieved at lower calipers and at lower weights than competitive substrates. This can help support your cost reduction and sustainability efforts.

Versatility

CarrierKote permits a great deal of packaging design flexibility. You can explore options such as handles, windows, and apertures.

Consistency

All CarrierKote paperboard is produced at a single mill. Hence, you can expect consistent composition and quality across all of your orders.

Recycled Fiber Content

Produced with up to 15% recycled fiber, providing an option for meeting your corporate sustainability goals.

Additional Product Information

Sustainability

Made with recycled fiber and is 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.

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. 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.)

CarrierKote®

| Grade Availability by Caliper | | | | | | | | | | | | | Units | Method |
|-------------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|--------|
| Caliper (pts) | 0.016 | 0.018 | 0.020 | 0.021 | 0.022 | 0.023 | 0.024 | 0.025 | 0.026 | 0.027 | 0.028 | inches | T-411 | |
| Nominal Basis Weight | 66 | 72 | 78 | 82 | 85 | 89 | 92 | 96 | 99 | 103 | 106 | lbs/MSF | T-410 | |
| Moisture | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | percent | T-412 | |
| ZDT | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | psi | T-541 | |
| Elmendorf Tear | | | | | | | | | | | | | | |
| Dry | MD | 430 | 490 | 555 | 585 | 600 | 630 | 655 | 680 | 720 | 750 | 785 | gf | T-414 |
| | CD | 475 | 540 | 595 | 630 | 650 | 680 | 705 | 735 | 765 | 825 | 850 | gf | T-414 |
| Wet | MD | 400 | 450 | 500 | 530 | 570 | 575 | 600 | 630 | 655 | 680 | 700 | gf | |
| | CD | 425 | 504 | 548 | 570 | 600 | 615 | 630 | 655 | 675 | 715 | 730 | gf | |
| Stiffness | | | | | | | | | | | | | | |
| Taber 15° | MD | 191 | 257 | 333 | 376 | 420 | 468 | 518 | 570 | 626 | 683 | 744 | gf-cm | T-489 |
| | CD | 87 | 115 | 151 | 171 | 194 | 218 | 244 | 272 | 302 | 334 | 367 | gf-cm | T-489 |
| Smoothness | | | | | | | | | | | | | | |
| Sheffield | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | mL/min | T-538 |
| Coated Side | | | | | | | | | | | | | | |
| Parker Print | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | µm | T-555 |
| GE Brightness | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | percent | T-452 |
| Color | | | | | | | | | | | | | | |
| Hunter | b | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | L-a-b | T-524 |

Grade Availability & Typical Properties (Metric)

| Grade Availability by Weight | | | | | | | | | | | | | Units | Method |
|------------------------------|-----------|------|------|------|------|------|------|------|------|------|------|------------------|---------|--------|
| Thickness | 406 | 457 | 508 | 533 | 559 | 584 | 610 | 635 | 660 | 686 | 711 | microns | T-411 | |
| Nominal Basis Weight | 322 | 352 | 381 | 400 | 415 | 435 | 449 | 469 | 483 | 503 | 518 | gsm | T-410 | |
| Moisture | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | percent | T-412 | |
| ZDT | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | J/m ² | T-541 | |
| Elmendorf Tear | | | | | | | | | | | | | | |
| Dry | MD | 430 | 490 | 555 | 585 | 600 | 630 | 655 | 680 | 720 | 750 | 785 | gf | T-414 |
| | CD | 475 | 540 | 595 | 630 | 650 | 680 | 705 | 735 | 765 | 825 | 850 | gf | T-414 |
| Wet | MD | 400 | 450 | 500 | 530 | 570 | 575 | 600 | 630 | 655 | 680 | 700 | gf | |
| | CD | 425 | 504 | 548 | 570 | 600 | 615 | 630 | 655 | 675 | 715 | 730 | gf | |
| Stiffness | | | | | | | | | | | | | | |
| Taber 15° | MD | 18.7 | 25.2 | 32.7 | 36.9 | 41.2 | 45.9 | 50.8 | 55.9 | 61.4 | 67.0 | 73.0 | mNm | T-489 |
| | CD | 8.5 | 11.3 | 14.8 | 16.8 | 19.0 | 21.4 | 23.9 | 26.7 | 29.6 | 32.8 | 36.0 | mNm | T-489 |
| Smoothness | | | | | | | | | | | | | | |
| Sheffield | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | mL/min | T-538 |
| Coated Side | | | | | | | | | | | | | | |
| Parker Print | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | µm | T-555 |
| GE Brightness | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | percent | T-452 |
| Color | | | | | | | | | | | | | | |
| Hunter | b | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | -2.6 | L-a-b | T-524 |

Values are subject to change without notice.

For more information, please contact your WestRock representative or visit our website at 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-65751, SFI CoC: NSF-SFICOC-65751, PEFC: NSF-PEFCOC-65751, FSC Company Code: FSC-C104002

© 2019 WestRock Company. WestRock®, CarrierKote®, Coated Natural Kraft® and CNK® are trademarks of WestRock Company. All rights reserved worldwide.



westrock.com