

Improve package performance and sustainability

EnShield® SBS is a bleached virgin paperboard that delivers a medium level* of oil and grease resistance, which make it an ideal solution for many retail food and foodservice applications, including takeout, bakery and frozen food. If you're looking for a higher level of oil and grease resistance than traditional SBS paperboard can provide, turn to EnShield®.

Features

- + Recyclable
- + Medium* level of oil and grease resistance
- + Without any intentionally added per/polyfluoroalkyl substances (PFAS)
- + Does not require polymer extrusion

Benefits

- + Provides oil and grease resistance for many applications in takeout, bakery and frozen food
- + Increases packaging circularity and end-of-life recovery by being recyclable and produced with renewable fibers without intentionally added per/polyfluoroalkyl substances (PFAS)
- + Eliminates sustainability concerns about intentionally added fluorocarbons (PFAS) and polyethylene
- + Improves scrap value when compared to poly-coated paperboard

Additional Product Information

Certifications:

- + 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.
- + 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.

Applications

- + Foodservice Takeout Packaging
- + Bakery
- + Frozen Foods
- +

Product Classification

- + Solid Bleached Sulfate
- + SBS Paperboard
- + GZ

* Medium is defined by WestRock as a KIT test result between 5 and 8.

Grade Availability & Typical Board Properties (U.S.)

Grade Availability by Caliper		Print Side Target Values				Units	Method
Caliper (pts)		0.012	0.014	0.016	0.018	inches	T-411
Nominal Basis Weight		145	163	182	199	lbs/3000 sq ft	T-410
Moisture Content		5.8	5.8	5.8	5.8	percent	T-412
GE Brightness		84	84	84	84	percent	T-452
Parker Print		1.6	1.6	1.6	1.6	µm	T-455
Internal Bond		80	70	70	70	.001 ft-lb/sq in	T-833
Stiffness							
Taber 15°	MD	80	110	160	195	gcm	T-489
	CD	35	55	80	100	gcm	T-489
Color							
Hunter	a	-0.8	-0.8	-0.8	-0.8	L-a-b	T-524
	b	1.5	1.5	1.5	1.5	L-a-b	T-524
Barrier /Back Side Target Values							
Oil & Grease Resistance (OGR)		5+	5+	5+	5+	3M Kit	T-559

Grade Availability & Typical Board Properties (Metric)

Grade Availability by Weight		Print Side Target Values				Units	Method
Thickness		305	356	406	457	microns	T-411
Nominal Basis Weight		236	265	296	324	gsm	T-410
Moisture Content		5.8	5.8	5.8	5.8	percent	T-412
GE Brightness		84	84	84	84	percent	T-452
Parker Print		1.6	1.6	1.6	1.6	µm	T-455
Internal Bond		168	147	147	147	J/m2	T-833
Stiffness							
Taber 15°	MD	8.3	11.8	16.7	21.6	mNm	T-489
	CD	4.4	5.9	9.3	11.8	mNm	T-489
Color							
Hunter	a	-0.8	-0.8	-0.8	-0.8	L-a-b	T-524
	b	1.5	1.5	1.5	1.5	L-a-b	T-524
Barrier /Back Side Target Values							
Oil & Grease Resistance (OGR)		5+	5+	5+	5+	3M Kit	T-559

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.

Values are subject to change without notice.

All WestRock North American containerboard mills are certified to the SFI®, PEFC™, and FSC™ Chain of Custody Standards. ISO Registration excludes Charleston, Cowpens, Longview, Roanoke Rapids.



For more information, please contact your WestRock representative or visit our website at westrock.com.