

EnShield® SBS (Solid Bleached Sulfate)

PRODUCT GUIDE

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

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Values are subject to change without notice.

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



For more information, please contact your WestRock representative or visit our website at [westrock.com](https://www.westrock.com).