

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

- 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

Sustainability

- Recyclable.
- All Smurfit Westrock North American paperboard mills are certified to the SFI®, PEFC/29-31-216, 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-SFI-COC-6S751, PEFC: NSF-PEFC-COC-0000751, FSC: SA-COC-010294.

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.

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

Applications

- Foodservice takeout packaging
- Bakery
- Frozen foods

Product classification

- Solid Bleached Sulfate
- SBS Paperboard
- GZ

Grade availability and 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	0.020	0.022	0.024	inches	T-411
Nominal basis weight		145	163	182	199	225	245	264	lbs/3000 sq ft	T-410
Moisture content		5.5	5.5	5.5	5.5	5.5	5.5	5.5	percent	T-412
GE brightness		86	86	86	86	86	86	86	percent	T-452
Parker Print		1.0	1.0	1.1	1.2	1.2	1.2	1.2	µm	T-555
Internal bond		65	70	70	70	75	80	80	.001 ft-lb/sq in	T-569
Stiffness										
Taber 15°	MD	85	120	170	220	280	355	440	gf-cm	T-489
	CD	45	60	95	120	155	190	230	gf-cm	T-489
Color										
Hunter	a	-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	L-a-b	T-524
Barrier/back side target values										
Oil & grease resistance (OGR)		5+	5+	5+	5+	5+	5+	5+	3M Kit	T-559

Grade availability and typical board properties (Metric)

Grade availability by weight		Print side target values						Units	Method	
Thickness		305	356	406	457	508	559	610	microns	T-411
Nominal basis weight		236	265	296	324	366	399	430	gsm	T-410
Moisture content		5.5	5.5	5.5	5.5	5.5	5.5	5.5	percent	T-412
GE brightness		86	86	86	86	86	86	86	percent	T-452
Parker Print		1.0	1.0	1.1	1.2	1.2	1.2	1.2	microns	T-555
Internal bond		137	147	147	147	158	168	168	J/m²	T-569
Stiffness										
Taber 15°	MD	8.3	11.8	16.7	21.6	27.5	34.8	43.1	mNm	T-489
	CD	4.4	5.9	9.3	11.8	15.2	18.6	22.6	mNm	T-489
Color										
Hunter		-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	L-a-b	T-524
		1.5	1.5	1.5	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+	5+	5+	5+	3M Kit	T-559

Values are subject to change without notice.

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

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