

# WestRock PolarShield™ Ovenable

## Make excess packaging a distant memory.

How do you reduce packaging costs and increase consumer convenience? The solution: WestRock PolarShield™ Ovenable. The equation is simple: replace a multi-part package with a single folded carton. With PolarShield Ovenable, hungry consumers can go from freezer to oven to table. Better yet, it performs equally well in conventional and microwave ovens. Ultimately, PolarShield Ovenable is a perfect marriage of form and function. It provides exceptional aesthetics and superior function. No wonder it is the benchmark for oven-ready packaging.

### Packaging Uses

Frozen Foods  
Retail Foods  
Foodservice

### Product Classification

Polymer-Coated  
Solid Bleached Sulfate  
SBS Paperboard  
GZ

### What You Can Expect from Us

Thermal Stability	An extruded barrier polymer, available in a clear option, enables performance from -40°F (-40°C) to 428°F (220°C).
Moisture Resistance	Engineered to withstand the demands of frozen food environments. Maintains integrity throughout the cyclical conditions of the cold distribution chain.
Product Uniformity	A smooth surface delivers outstanding ink holdout and best-in-class printing consistency. Polymer coat-weight uniformity offers improved efficiencies and maximum throughput on high-speed forming and filling equipment.
Single Package Solution	Delivers savings and source reduction over alternatives that require outer cartons or wraps. The result is a cost-efficient packaging solution with an improved sustainability profile.
Heat Sealability	Outstanding heat-sealing performance across a range of technologies, including hot air, platen and microwave. This means you can expect improved efficiency and ultimate flexibility.

### Additional Product Information

Sustainability	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 and the EU. Contact your sales representative for information on specific markets and end uses. Kosher documentation 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.

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

PolarShield™ Ovenable

Grade Availability by Caliper					Units	Method	Tolerance
Caliper (pts)	0.014	0.016	0.018	0.020	inches	T-411	+/- .001
Nominal Basis Weight	163	182	199	212	lbs/3000 sq ft	T-410	
Moisture	5.3	6.2	6.2	6.2	percent	T-412	
Internal Bond	70	70	70	75	.001 ft-lb/sq in	T-569	
Stiffness							
Taber 15°	MD	120	170	220	280	gf-cm	T-489
	CD	60	95	120	155	gf-cm	T-489
Coated Side							
GE Brightness	86	86	86	86	percent	T-452	
Parker Print	1.0	1.2	1.2	1.2	μm	T-555	
ZDT	47	45	40	40	psi	T-541	
Color							
Hunter	L	93	93	93	93	L-a-b	T-527
	a	-0.8	-0.8	-0.8	-0.8	L-a-b	T-527
	b	1.5	1.5	1.5	1.5	L-a-b	T-527

Values are for basestock only; for nominal basis weight including polymer, and 24 lbs/3000 sq ft (clear).

## Grade Availability & Typical Properties (Metric)

Grade Availability by Weight					Units	Method	Tolerance
Thickness	356	406	457	508	microns	T-411	+/-25.4
Nominal Basis Weight	265	296	324	345	gsm	T-410	
Moisture	5.3	6.2	6.2	6.2	percent	T-412	
Internal Bond	147	147	147	158	J/m <sup>2</sup>	T-569	
Stiffness							
Taber 15°	MD	11.8	16.7	21.6	27.5	mNm	T-489
	CD	5.9	9.3	11.8	15.2	mNm	T-489
Coated Side							
GE Brightness	86	86	86	86	percent	T-452	
Parker Print	1.0	1.2	1.2	1.2	μm	T-555	
ZDT	324	310	276	276	kPa	T-541	
Color							
Hunter	L	93	93	93	93	L-a-b	T-527
	a	-0.8	-0.8	-0.8	-0.8	L-a-b	T-527
	b	1.5	1.5	1.5	1.5	L-a-b	T-527

Values are for basestock only; for nominal basis weight including polymer, add 40 gsm (clear).

Values are subject to change without notice.

For more information, please contact your WestRock representative or visit our website at [westrock.com](http://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-6S751, SFI CoC: NSF-SFICOC-6S751, PEFC: NSF-PEFCCOC-6S751, FSC Company Code: FSC-C104002

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