

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.

**Region**

EMEA (Europe, the Middle East and Africa)

**Packaging uses**

Frozen Foods  
 Retail Foods  
 Foodservice

**Product Classification**

Polymer-Coated  
 Solid Bleached Sulphate  
 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**
- Chain of Custody** 100% PEFC Certified BMT-PEFC-0332
  - 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 fibre. Meets heavy metal limits of the US Model Toxics in Packaging rules and Article 11 of EU Directive 94/62/EC.



## Grade Availability (EMEA) & Typical Properties

PolarShield® Ovenable

Grade Availability					Units	Method	Tolerance
<b>Nominal Basis Weight</b>	265	296	324	345	gsm	T-410	
<b>Caliper (pts)</b>	0.014	0.016	0.018	0.020	inches	T-411	+/- .001
<b>Thickness</b>	356	406	457	508	microns	T-411	+/-25.4
<b>Moisture</b>	5.3	6.2	6.2	6.2	percent	T-412	
<b>Internal Bond</b>	147	147	147	158	J/m <sup>2</sup>	T-569	
<b>Stiffness</b>							
<b>Taber 15°</b>	<b>MD</b>	11.8	16.7	21.6	27.5	mNm	T-489
	<b>CD</b>	5.9	9.3	11.8	15.2	mNm	T-489
<b>Coated Side</b>							
<b>GE Brightness</b>	86	86	86	86	percent	T-452	
<b>Parker Print</b>	1.0	1.2	1.2	1.2	µm	T-555	
<b>ZDT</b>	324	310	276	276	kPa	T-541	
<b>Colour</b>							
<b>Hunter</b>	<b>L</b>	93	93	93	93	L-a-b	T-527
	<b>a</b>	-0.8	-0.8	-0.8	-0.8	L-a-b	T-527
	<b>b</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.

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