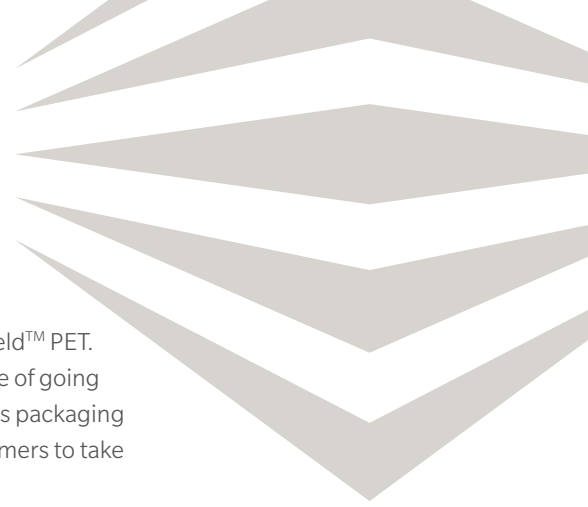


WestRock

# PolarShield™ PET

**A worthy option when moisture isn't an issue.**

When you desire strength and wet conditions aren't a factor, turn to WestRock PolarShield™ PET. It's a perfect choice for frozen and bakery applications. Use it to create packages capable of going from shelf or freezer directly to a conventional or microwave oven. This eliminates excess packaging expenses. Beyond performance, PolarShield PET also looks attractive enough for consumers to take to their dining table.



## Region

EMEA (Europe, the Middle East and Africa)

## 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).
- 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 - BV/CDC/0575784
- 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™ PET

Grade Availability							Units	Method	Tolerance	
<b>Nominal Basis Weight</b>	202	236	265	296	324	407	gsm	T-410		
<b>Caliper (pts)</b>	0.010	0.012	0.014	0.016	0.018	0.024	inches	T-411	+/- .001	
<b>Thickness</b>	254	305	356	406	457	610	microns	T-411	+/-25.4	
<b>Moisture</b>	5.3	5.3	5.3	5.6	5.6	5.6	percent	T-412		
<b>Internal Bond</b>	120	104	112	147	147	168	J/m <sup>2</sup>	T-569		
<b>Stiffness</b>										
<b>Taber 15°</b>	<b>MD</b>	5.4	8.3	11.8	16.7	21.6	43.1	mNm	T-489	+/- 15%
	<b>CD</b>	2.5	4.4	5.9	9.3	11.8	22.6	mNm	T-489	+/- 15%
<b>Coated Side</b>										
<b>GE Brightness</b>	86	86	86	86	86	86	percent	T-452		
<b>Parker Print</b>	1.0	1.0	1.0	1.2	1.2	1.2	µm	T-555		
<b>ZDT</b>	414	359	324	276	276	276	kPa	T-541		
<b>Colour</b>										
<b>Hunter</b>	<b>L</b>	93	93	93	93	93	93	L-a-b	T-524	
	<b>a</b>	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	L-a-b	T-524	
	<b>b</b>	1.5	1.5	1.5	1.5	1.5	1.5	L-a-b	T-524	

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.

© 2018 WestRock Company. WestRock® and PolarShield™ are trademarks of WestRock Company. All rights reserved worldwide.

