

WestRock  
**PolarShield™ HMR**  
**Setting a new standard for  
 premium appearance.**



Exceptional moisture resistance in a single-sheet paperboard. That’s what you can expect from WestRock PolarShield™ HMR (high moisture resistance). It’s designed to endure the rigour of multiple freeze-thaw cycles throughout the cold chain. It provides a reliable solution for applications such as seafood packaging that operate in an extremely wet environment. A bright white, glossy-coated side combined with a smooth, uncoated back ensure consistency on the printing press, in filling lines and in high-speed converting operations.

**Region**

EMEA (Europe, the Middle East and Africa)

**Packaging uses**

Frozen Food Applications with Cold Chain Challenges

Frozen and Refrigerated Seafood

Frozen Variety Meats

**Product Classification**

Polymer-Coated

Solid Bleached Sulfate

SBS Paperboard

GZ

**What You Can Expect from Us**

**Moisture Resistance** Delivers outstanding moisture resistance and wet durability, ideal for frozen and refrigerated seafood packaging and other tough applications.

**Superior Quality** Maintains structural integrity and appearance excellence for products subjected to freeze-thaw cycles and humidity fluctuations.

**Fade Resistance** Classic white styling is achieved without using Optical Brightening Agents (OBA). This results in high whiteness without fading.

**Surface Uniformity** A smooth surface delivers outstanding ink holdout and best-in-class uniformity. This helps optimise runnability on converting and filling equipment.

**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, Germany and the EU. Contact your sales representative for information on specific markets and end uses. ISEGA Certificate available. 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™ HMR

Grade Availability				Units	Method	Tolerance	
<b>Nominal Basis Weight</b>	280	296	324	gsm	T-410		
<b>Caliper (pts)</b>	0.015	0.016	0.018	inches	T-411	+/- .001	
<b>Thickness</b>	381	406	457	microns	T-411	+/- 25.4	
<b>Moisture</b>	5.5	5.6	5.6	percent	T-412		
<b>Internal Bond</b>	147	147	147	J/m2	T-569		
<b>Stiffness</b>							
<b>Taber 15°</b>	<b>MD</b>	14.7	16.7	21.6	mNm	T-489	+/- 15%
	<b>CD</b>	8.3	9.3	11.8	mNm	T-489	+/- 15%
<b>Coated Side</b>							
<b>GE Brightness</b>	86	86	86	percent	T-452		
<b>Parker Print</b>	1.1	1.1	1.1	µm	T-555		
<b>ZDT</b>	310	310	276	kPa	T-541		
<b>Colour</b>							
<b>Hunter</b>	<b>L</b>	93	93	93	L-a-b	T-524	
	<b>a</b>	-0.8	-0.8	-0.8	L-a-b	T-524	
	<b>b</b>	1.5	1.5	1.5	L-a-b	T-524	

Values are for basestock only; for nominal basis weight including polymer, add 23.4 gsm per 1.0 mil of polymer.

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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