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

Fibre Procurement	SFI® 2015-2019 Certified Sourcing NSF-SFI-CS-6S751
Chain of Custody	SFI® NSF-SFICOC-6S751 Certification PEFC™ NSF-PEFCCOC-6S751 Certification
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.

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Grade Availability (EMEA) & Typical Properties

PolarShield™ HMR

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

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Certificate Codes: SFI Certified Sourcing: NSF-SFI-CS-6S751, SFI CoC: NSF-SFICOC-6S751, PEFC: NSF-PEFCCOC-6S751

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