

WestRock

# PolarShield™ Frozen Cup

Need ice cream packaging with sweet features? Come right this way.

WestRock PolarShield™ Frozen Cup. This clay-coated paperboard cupstock features a strong, poly coating that delivers exceptional moisture resistance. It is crafted and designed to meet the unique requirements of ice cream packaging applications. Inherent strength properties enable this PolarShield variety to stand up to the rigour of multiple cold chain freeze-thaw cycles.



## Region

EMEA (Europe, the Middle East and Africa)

## Packaging uses

Retail Ice Cream

Cups, Tubs, and Scrouds

Foodservice Ice Cream Cups

## Product Classification

Polymer-Coated

Solid Bleached Sulfate

SBS Paperboard

## What You Can Expect from Us

- Moisture Resistance** Poly two-sided coating provides exceptional moisture resistance throughout all freeze-thaw cycles.
- Fade Resistance** Contains no Optical Brightening Agents (OBA), so fading risks are minimised.
- Smooth Printability** A clay-coated base provides a smooth surface to maximise printability and promote high graphic standards.
- Compliance** Meets or exceeds strict global food standards.
- Superior Runnability** You can expect outstanding product uniformity and consistent graphics. Both of which help you optimise productivity and reduce waste.
- Clean Cup Forming** Seams stay clean and tight, while rims are smooth with no cracking or tears.

## 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™ Frozen Cup

Grade Availability							Units	Method	
<b>Nominal Basis Weight</b>		265	280	296	304	324	345	gsm	T-410
<b>Caliper (pts)</b>		0.014	0.015	0.016	0.017	0.018	0.020	inches	T-411
<b>Thickness</b>		356	381	406	432	457	508	microns	T-411
<b>Moisture</b>		6.5	6.5	6.5	6.5	6.5	6.5	percent	T-412
<b>Internal Bond</b>		158	158	158	158	158	158	J/m <sup>2</sup>	T-569
<b>ZDT</b>		344	344	344	344	344	344	kPa	T-541
<b>Tear Average</b>		250	260	275	275	285	295	grams	T-414
<b>Stretch</b>									
<b>L&amp;W</b>	<b>MD</b>	2.0	2.0	2.0	2.0	2.0	2.0	percent	T-494
	<b>CD</b>	4.5	4.5	4.5	4.5	4.5	4.5	percent	T-494
<b>Stiffness</b>									
<b>Taber 15°</b>	<b>MD</b>	12.3	12.7	15.7	17.2	20.1	26.5	mNm	T-489
	<b>CD</b>	6.9	7.4	8.8	9.3	10.8	14.7	mNm	T-489
<b>Coated Side</b>									
<b>GE Brightness</b>		86	86	86	86	86	86	percent	T-452
<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. A variety of polymer structures and thicknesses are available.  
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.

