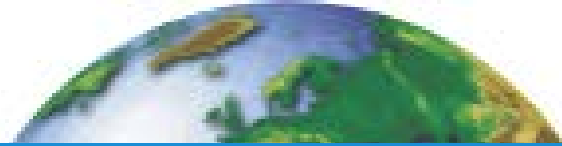


WSAC White Opaque Film



PRODUCT BULLETIN

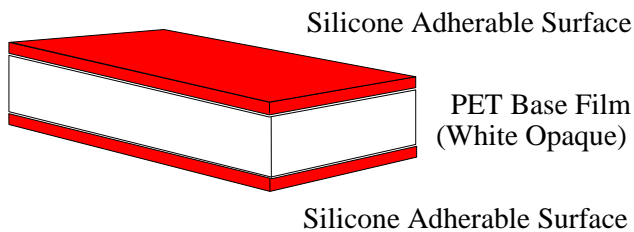
Description

Hostaphan® WSAC is a bright white polyester film that is chemically treated for enhanced adhesion to silicone compounds. This film also adheres well to peroxide cross-linked EVA. It combines high strength and durability with good dimensional stability, electrical insulation, and excellent chemical resistance.

Performance

Hostaphan® WSAC is useful as a base film in specialty tape and release liner applications. Strong electrical insulation, outdoor durability and adhesion to peroxide cross-linked EVA make this film a good candidate for use in solar cell back sheet laminates.

Schematic of Hostaphan® WSAC



Benefits

- Adhesion to silicone release coatings and adhesives. No priming or corona treatment necessary
- Excellent opacity, brightness, and visible light reflectivity
- Chemical treatment provides 50-55 dyn/cm surface energy
- Superior electrical insulation
- Chemical and environmental resistance. UL RTI rating of 130°C

Typical Properties of Hostaphan® WSAC Film

The Hostaphan® WSAC property values below are typical measurements. Further guidance on series selection, functional behavior by end use, film processing, standard roll configuration and gauges is available through a Mitsubishi Polyester Film Sales Representative.

Property		Unit of Measure	Typical Value	Test Method	
Tensile Strength	MD	psi N/mm ²	21,000 150	ASTM D 882	
	TD	psi N/mm ²	31,000 240		
Yield Strength (F5)	MD	psi N/mm ²	13,000 90	ASTM D 882	
	TD	psi N/mm ²	15,200 105		
Ultimate Elongation	MD	%	160	ASTM D 882	
	TD		90		
Shrinkage	MD	%	1.0	DIN 40634 15 min. at 150°C	
	TD		1.0		
Density		g/cm ³	1.42	ASTM D 1505	
%Transmission		%	50 μm	18	ASTM D 1003
			125 μm	10	
			250 μm	4	
Luminance (L*)		-	50 μm	94.5	ASTM E-308
			125 μm	95.5	
			250 μm	97.5	
Yellowness Index		-	50 μm	-9.5	ASTM E-313
			125 μm	-8.0	
			250 μm	-7.0	
Gloss		-	50	ASTM D2457 Angle of measure 20°	
Opacity		-	50 μm	92	Internal Test Method
			125 μm	98	
			250 μm	99	
Water Vapor Transmission		g/m ² ,24hr	50 μm	12.0	ASTM F 1249 37.8°C, 85% RH
			125 μm	4.8	
			250 μm	2.4	
Partial Discharge Test PET Film		VDC	125 μm 250 μm	721 1050	IEC 60664-1 22°C, 40% RH

*Values for reference data only. Contact a Mitsubishi Polyester Film Sales Representative for actual gauges available.

Approved MG 5/2016



PO Box 1400 • Hood Road • Greer SC 29652 • 864-879-5000 • 864-879-5006 • www.m-petfilm.com

Hostaphan is a registered trademark of Hoechst AG and is licensed to Mitsubishi Polyester Film, Inc. The information contained herein is believed to be true and accurate, but all data, recommendations and suggestions are provided without guarantee, since the conditions of use are beyond our control and can affect the performance and properties of our products. The user is solely responsible for confirming that our product is suitable for the intended end use, and for compliance with all legal regulations and patents. Other than compliance with published Mitsubishi Polyester Film, Inc. specifications for one year following purchase, and except as required by law, MITSUBISHI POLYESTER FILM, INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If a product is found to be defective during the warranty period, user's sole remedy and our sole obligation is, at our option, replacement of the affected product or refund of the purchase price. Except as required by law, we are not liable for any damage, harm or loss resulting from our product, whether direct, indirect, consequential, incidental or special, and irrespective of legal theory asserted, including strict liability, contract, warranty, or negligence.

©2000 – 2008, 2016 Mitsubishi Polyester Film, Inc. All rights reserved.