

Mitsubishi Chemical America, Inc.

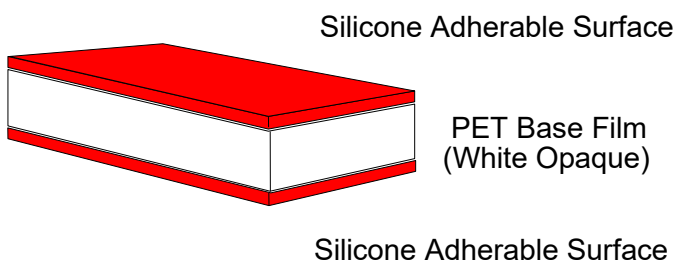
### Description

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 Polyester Film Sales Representative.

Property	Unit of Measure		Typical Value	Test Method	
Tensile Strength	MD	psi N/mm <sup>2</sup>	21,000 150	ASTM D 882	
	TD	psi N/mm <sup>2</sup>	31,000 240		
Yield Strength (F5)	MD	psi N/mm <sup>2</sup>	13,000 90	ASTM D 882	
	TD	psi N/mm <sup>2</sup>	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 <sup>3</sup>		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 <sup>2</sup> ·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	721	IEC 60664-1 22°C, 40% RH
			250 µm	1050	

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

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