

Mitsubishi Chemical America, Inc.

Product Bulletin

Description

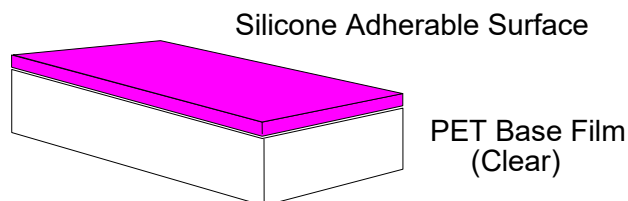
Hostaphan® 3SAB and 3SAC clear polyester films are chemically treated to provide enhanced adhesion for silicone coatings. They combine high strength and durability, optical clarity, good dimensional stability, and excellent chemical resistance.

Performance

Hostaphan® 3SAB and 3SAC films have been extensively evaluated by several silicone manufacturers and found to provide excellent results with all types of silicone systems. Solvent, solventless and emulsion systems from Dow Corning, GE Silicones, Wacker and Rhodia were evaluated using thermal, UV and E-beam curing methods with standard industry testing for rub-off, smear, and migration. The silicone coatings have been tested by various manufacturers, including Mitsubishi Chemical America, and have demonstrated significant improvement in anchorage performance.

Benefits

- Available in one side treated (3SAB) and two side treated (3SAC)
- Improves silicone adhesion
- Minimizes silicone rub-off
- Eliminates the need for priming or corona treatment
- Possesses a 50 - 55 dyne/cm surface energy
- Provides a more consistent release level with aging
- Good handling characteristics

Schematic of Hostaphan® 3SAB

Typical Properties of Hostaphan® 3SAB and 3SAC Films

The Hostaphan® 3SAB and 3SAC 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
Area Yield		in ² •mil/lb m ² •µm/kg	19,800 717	ASTM D 4321
Tensile Strength	MD	psi kg/cm ²	30,000 2,110	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm ²	15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%	150	ASTM D 882
Modulus	MD	psi kg/cm ²	500,000 35,200	ASTM D 882
Coefficient of Friction (A/B)	Kinetic	--	0.40	ASTM D 1894
Shrinkage	MD TD	%	1.5 0.4	30 min. at 150°C
Density		g/cm ³	1.395	ASTM D 1505
Total Haze*		%	142 gauge 200 " 300 " 500 "	1.9 2.1 2.5 3.3
				ASTM D-1003

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