

3SAB & 3SAC Silicone Adherable Films



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

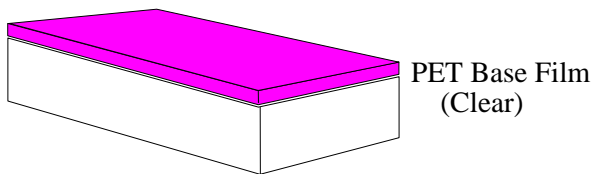
Hostaphan® 3SAB and 3SAC films have been extensively evaluated by several silicone manufacturers and found to provide excellent results with all types of silicone systems. Solvent, solventless and emulsion systems from Dow Corning, GE Silicones, Wacker and Rhodia were evaluated using thermal, UV and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

Silicone Adherable Surface



Typical Properties of Hostaphan® 3SAB and 3SAC Film

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 Mitsubishi 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 Mitsubishi Polyester Film Sales Representative for actual gauges available.



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