2SLK4N Silicone Coated Film

Mitsubishi Chemical America, Inc.

Product Bulletin

Description

Hostaphan™ 2SLK4N polyester film is silicone coated on one side. Along with high strength, flexibility, and chemical resistance, this product provides excellent slip and good dimensional stability over a wide temperature range. The silicone coating is formulated to give a release level between premium and medium release.

Performance

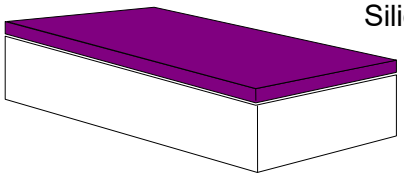
The silicone coating on Hostaphan™ 2SLK4N is specially treated prior to winding. This special treatment minimizes back-side transfer of the silicone, which may affect the adhesion. Because the silicone is highly cured, there is essentially no migration of the silicone to any adhesive which may be in contact with the film.

WARNING:
Silicone coated film is very slippery. Do not discard scrap film on the floor. Injury may result if stepped on.

Benefits

- Minimum silicone rub-off
- Provides very consistent release level with aging
- Excellent handling characteristics
- Clear distortion free coating
- Ultra-thin, highly cured coating which does not smear
- Better than 95% subsequent adhesion
- No static induced defects (Newton Rings)

Schematic of Hostaphan™ 2SLK4N



Typical Properties of Hostaphan™ 2SLK4N Film

The Hostaphan™ 2SLK4N 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 2,100	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm^2		15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%		115	ASTM D 882
Modulus	MD	psi kg/cm^2		550,000 38,700	ASTM D 882
Coefficient of Friction A/B	Kinetic	--		0.20	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*		%	92 gauge 102 “ 118 “ 142 “ 200 “	3.5 3.7 4.0 4.5 6.5	ASTM D-1003
SILICONE FUNCTIONALITY					
Release From Silicone Side		g/in		10 to 25	Tesa Tape 7475 @ 12 in./min.

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved RC 06/2024

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