2MDKN Silicone Coated Film

Mitsubishi Chemical America, Inc.

Product Bulletin

Description

Hostaphan™ 2MDKN polyester film is one side silicone coated for higher release force applications. Along with high strength, flexibility, and chemical resistance, this product provides excellent slip and good dimensional stability over a wide temperature range.

Performance

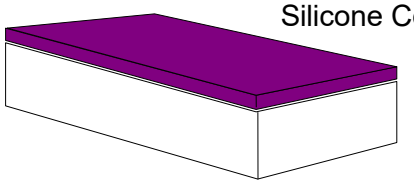
The silicone coating on Hostaphan™ 2MDKN is formulated to give higher release force for tight release applications. The coating is highly cured which minimizes back-side transfer of the silicone and results in essentially no migration of silicone to any adhesive which may be in contact with the film.

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
- Highly cured coating that does not smear
- Better than 95% subsequent adhesion

Schematic of Hostaphan™ 2MDKN



Typical Properties of Hostaphan™ 2MDKN Film

The Hostaphan™ 2MDKN 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. The following values are not binding specifications and may vary.

Property		Unit of Measure		Typical Value		Test Method
Area Yield	118 gauge (30 µm)	in^2/lb m^2/kg		16,776 23.9		ASTM D 4321
	142 gauge (35.5 µm)	in^2/lb m^2/kg		14,000 19.0		ASTM D 4321
	200 gauge (50 µm)	in^2/lb m^2/kg		9,901 14.1		ASTM D 4321
	300 gauge (75 µm)	in^2/lb m^2/kg		6,601 9.4		ASTM D 4321
Tensile Strength	MD	psi kg/cm^2		30,000 2,100		ASTM D 882
Ultimate Elongation	MD	%		115		ASTM D 882
Coefficient of Friction A/B	Kinetic	--		0.20		ASTM D 1894
Shrinkage	MD TD	%		1.5 1.5		30 min. at 150°C
Density		g/cm^3		1.395		ASTM D 1505
Total Haze*		%	118 gauge 142 “ 200 “ 300 “	8.0 9.0 11.0 13.0		ASTM D-1003
SILICONE FUNCTIONALITY						
Release from Silicone Side		g/in		50 – 70	Room Temp	T-Peel from Tesa 7475 Tape @ 12”/min
Smear		--		None		
Rub-off		--		None		

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved DJ 2/2014

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