

Mitsubishi Chemical America, Inc.

Description

Hostaphan® 2HLKN 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. This product has been specifically designed to meet the needs of the medical device industry.

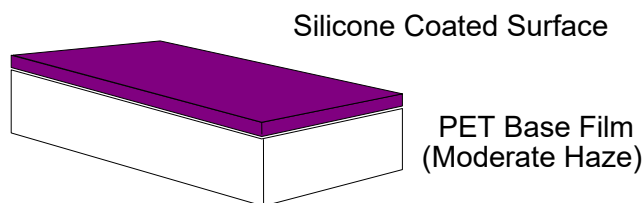
Performance

The silicone coating on Hostaphan® 2HLKN 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. This product has been designed to meet medical device needs and is only available in thicknesses greater than 3 mil (75 micron).

FDA Status

Both sides of Hostaphan® 2HLKN can be used for direct food contact applications subject to limitations found in 21 CFR 177.1630 and in accordance with good manufacturing practices. For more information, contact a Polyester Film Sales Representative.

Schematic of Hostaphan® 2HLKN



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)

WARNING:

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

Typical Properties of Hostaphan® 2HLKN Film

The Hostaphan® 2HLKN 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		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*		%	300 gauge 11.0 500 " 18.0	ASTM D-1003

SILICONE FUNCTIONALITY

Release from Silicone Side		g/in	15	T-peel from TESA 7475 tape @ 12 in./min
Smear		--	None	Haze observed when rubbed once with index finger
Rub-off		--	None	Coating removed when rubbed hard with index finger

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved MG 1/2014

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