

Mitsubishi Chemical America, Inc.

Description

Hostaphan® 2LRKN polyester film is specially formulated to give easy release from acrylic emulsion adhesives. Along with high strength, flexibility, and chemical resistance, this product provides excellent slip and good dimensional stability over a wide temperature range.

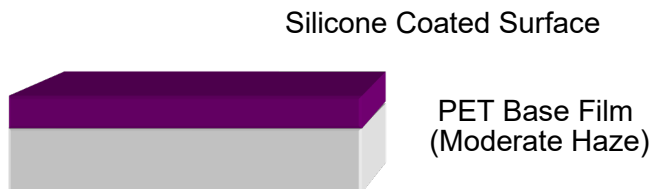
Performance

The silicone coating on Hostaphan® 2LRKN is specially treated prior to winding, and is designed to provide easy and consistent release from acrylic-based adhesives.

FDA Status

The silicone coated side of Hostaphan® 2LRKN can be used for direct food contact applications subject to limitations found in 21 CFR 177.1630. The untreated surface of 2LRKN can be used in direct contact with dry and fatty foods and with aqueous foods under low temperature conditions. Please contact a Polyester Film Sales Representative for more information.

Schematic of Hostaphan® 2LRKN



Benefits

- 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)
- Specifically formulated to provide easy release from acrylic emulsion adhesives

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® 2LRKN Film

The Hostaphan® 2LRKN 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.

THICKNESS GAUGE	MICRONS	AREA YIELD		HAZE
		in ² /lb	m ² /kg	
106	26.9	18,700	26.6	5.5
118	30.0	16,800	23.9	6.0
142	36.1	14,000	19.8	8.0

Property	Unit of Measure		TYPICAL VALUE	TEST METHOD
Tensile Strength	MD	psi kg/cm ²	32,000 2,100	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm ²	15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%	100	ASTM D 882
Modulus	MD	psi kg/cm ²	600,000 38,700	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

SILICONE FUNCTIONALITY

Release From Treated Side	g/in	< 20	T-peel from TESA 7475 Tape
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.

* ASTM Test Methods: GAUGE (E-252); AREA YEILD (D-4321); HAZE (D-1003)

Approved RC 7/2016

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