

Mitsubishi Chemical America, Inc.

Description

Hostaphan® 22MKN polyester film is silicone coated on two sides. One side has a premium easy release from selected solvent and emulsion based adhesives, while the other side has been specially treated to provide medium release. Along with high strength, flexibility, and chemical resistance, this product provides excellent slip and good dimensional stability over a wide temperature range.

Performance

The two silicone coatings on Hostaphan® 22MKN are specially treated prior to winding. The special treatment results in a highly cured silicone coated product that also minimizes migration of silicone to any adhesive which may be in contact with either side of the film.

FDA Status

Both sides of Hostaphan® 22MKN 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.

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)
- Medium release coating does not contain a control release agent

Schematic of Hostaphan® 22MKN



Premium Easy Release Surface

PET Base Film (Moderate Haze)

Medium Release Surface

Typical Properties of Hostaphan® 22MKN Film

The Hostaphan® 22MKN 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		%	200 gauge 6.5	ASTM D-1003

SILICONE FUNCTIONALITY

Release from Easy Release Side		g/in	10 to 25	T-peel from Tesa 7475 @ 20 in./min.
Release from Medium Release Side		g/in	30 to 45	T-peel from Tesa 7475 @ 20 in./min.

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved DJ 3/2024

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