

Mitsubishi Chemical America, Inc.

Description

Hostaphan® 256KN is a one-side silicone coated film with moderate haze. This special silicone coating is formulated to give premium (reduced force) release from selected adhesive systems. 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® 256KN 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 will be essentially no migration of the silicone to any adhesive which may be in contact with the film.

Product Safety Information

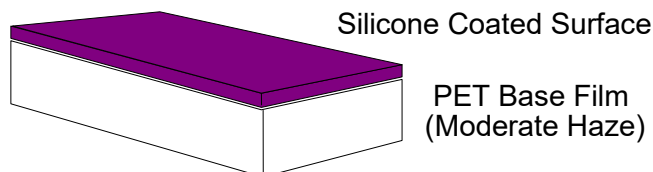
WARNING:

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

Schematic of Hostaphan® 256KN



Typical Properties of Hostaphan® 256KN Film

The Hostaphan® 256KN 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	32,000 2,250	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 42,200	ASTM D 882
Coefficient of Friction A/B	Kinetic	-	0.25	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*		%	118 gauge 4.5	ASTM D 1003

SILICONE FUNCTIONALITY

Release from Silicone Side	g/in	< 9	T-Peel from Laminate (Proprietary Adhesive)
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* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved RC 3/2021

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