

22PKN Premium Release Silicone Coated Film



PRODUCT BULLETIN

Description

Hostaphan® 22PKN polyester film is silicone coated on one side. This special silicone coating is formulated to give premium release from selected solvent based adhesives. The other side is specially treated with a slip control coating to ensure proper tracking of the film web. Along with high strength, flexibility, and chemical resistance, this product provides excellent slip and good dimensional stability over a wide temperature range.

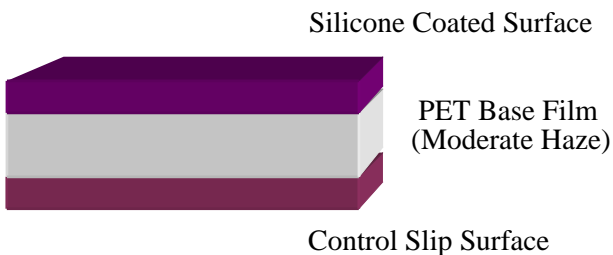
Performance

The silicone coating on Hostaphan® 22PKN is specially treated prior to winding. This silicone formulation provides premium release from certain solvent based adhesives. The special control slip coating treatment essentially eliminates the effect of backside silicone transfer. The slip controlled surface may act as a primed surface for printing using special polyester film inks.

FDA Status for 22PKN

Both sides of Hostaphan® 22PKN 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 your Mitsubishi Polyester Film Sales Representative.

Schematic of Hostaphan® 22PKN



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.

CAUTION

Backside control slip coating may interact with face stock top coats that are highly reactive, especially ones that are water sensitive or used in high humidity environments.

Abrasion of the backside control slip coating may result in the generation of small particulate contamination.

Typical Properties of Hostaphan® 22PKN Film

The Hostaphan® 22PKN 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 Mitsubishi 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*		%	106 gauge 4.5 118 " 5.0 142 " 5.5	ASTM D 1003

SILICONE FUNCTIONALITY

Release From Silicone Side	g/in	<8	T-peel from Laminate
Release From Polyester Side		>300	@ 12 in./min

* Values for reference data only. Contact a Mitsubishi Polyester Film Sales Representative for actual gauges available.

Approved TW 5/09



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