43SM
Clear Slip Film

Mitsubishi Chemical America, Inc.

Product Bulletin

Description

Hostaphan™ 43SM is an ultra-clear polyester film that is chemically treated on one side to improve handleability and reduce potential for scratching. It combines high durability and optical clarity.

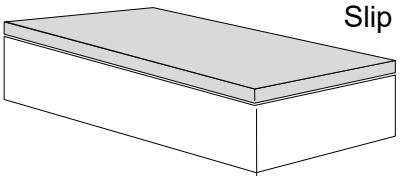
Performance

Hostaphan™ 43SM is designed for markets requiring glass-like clarity. 43SM is chemically treated on one side to provide resistance to scratching and the slip necessary to handle and wind an unfilled film. The treated surface is not designed for adhesion.

Benefits

- Excellent handling achieved by slip treatment
- Superior base film flatness
- Excellent color and clarity
- Reduced potential for scratching

Schematic of Hostaphan™ 43SM



Typical Properties of Hostaphan™ 43SM Film

The Hostaphan™ 43SM 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 2,110	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm^2		15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%		150	ASTM D 882
Modulus	MD	psi kg/cm^2		500,000 35,200	ASTM D 882
Coefficient of Friction (A/B)	Kinetic	--		0.50	ASTM D 1894
Shrinkage	MD TD	%		1.2 0.0	30 min. at 150°C
Density		g/cm^3		1.395	ASTM D 1505
Total Haze*		%	200 gauge 700 “	0.5 1.0	ASTM D-1003

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved RC 5/2016

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