7000A Series Clear General Purpose Films

Mitsubishi Chemical America, Inc.

Product Bulletin

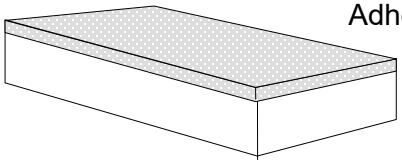
Description

Hostaphan™ 7000A Series ultra-clear polyester films are chemically modified on one side for handleability and improved adhesion to acrylic hard coatings. They combine high strength and durability, good dimensional stability, and excellent chemical resistance with very low haze.

Performance

Hostaphan™ 7000A films are used in decorative and metallized products, solar control window, and other applications where surface smoothness and brilliance are required.

Schematic of Hostaphan™ 7000A



Benefits

- Excellent clarity and color
- Modified surface for improved slip
- Enhanced adhesion to scratch-resistant coatings
- 7211A - for applications that require dying
- 7333A - for sputter coating and vacuum metallizing

Typical Properties of Hostaphan™ 7000A Film

The Hostaphan™ 7000A 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		ft^2/lb (m^2/kg)	48 gauge (12 µm) 92 gauge (23 µm)	286.5 (58.7) 149.5 (30.6)	ASTM D 4321
Tensile Strength	MD	psi kg/cm^2		33,000 2,320	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm^2		15,500 1,090	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)	Static Kinetic	--		0.40 0.30	ASTM D 1894
Shrinkage	MD TD	%		4.2 1.7	30 min. at 190°C
Density		g/cm^3		1.395	ASTM D 1505
Total Haze*		%	48 gauge (12 µm) 92 gauge (23 µm)	0.9 1.2	ASTM D-1003

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