

# 7000A Series Clear General Purpose Films



PRODUCT BULLETIN

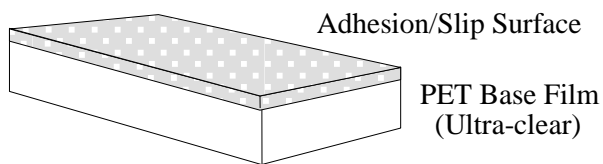
## Description

Hostaphan<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 7000A



## Benefits

- Excellent clarity and color
- Modified surface for improved slip
- Enhanced adhesion to scratch-resistant coatings
- 7211A for applications that require dyeing
- 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 Mitsubishi Polyester Film Sales Representative.

Property		Unit of Measure	Typical Value	Test Method
Area Yield		ft <sup>2</sup> /lb (m <sup>2</sup> /kg)	48 ga (12 µm)	ASTM D 4321
			92 ga (23 µm)	
Tensile Strength	MD	psi kg/cm <sup>2</sup>	33,000 2,320	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm <sup>2</sup>	15,500 1,090	ASTM D 882
Ultimate Elongation	MD	%	115	ASTM D 882
Modulus	MD	psi kg/cm <sup>2</sup>	550,000 38,700	ASTM D 882
Coefficient of Friction (A/B)	Static	--	0.40	ASTM D 1894
	Kinetic		0.30	
Shrinkage	MD	%	4.2	30 min. at 190°C
	TD		1.7	
Density		g/cm <sup>3</sup>	1.395	ASTM D 1505
Total Haze*		%	48 ga (12 µm)	ASTM D-1003
			92 ga (23 µm)	

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

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