

Mitsubishi Chemical America, Inc.

Description

Hostaphan® 4407 is an ultra-clear polyester film that is chemically treated for enhanced adhesion to solvent-based inks, coatings, or adhesives along with outstanding handling and winding characteristics. It combines high durability and optical clarity with balanced shrink for excellent flatness after thermal processing.

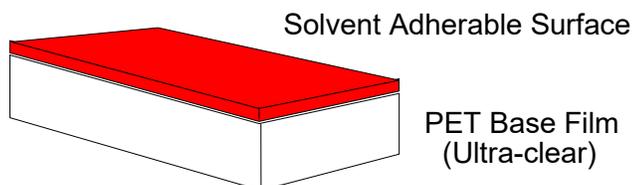
Performance

Hostaphan® 4407 is designed for applications requiring glass-like clarity. The chemical treatment also improves slip for enhanced handling and windability. Hostaphan® 4407 demonstrates excellent adhesion to solvent-based inks, coatings, and adhesives. It is used in a wide variety of applications such as labels, metallized film, ID cards, holographics, printing plates, and reprographics.

Benefits

- Ultra-clear unfilled PET film, chemically treated on one side for adhesion to solvent-based systems
- Class leading handling and winding properties in ultra-clear PET films
- Exceptional flatness
- Excellent color and clarity

Schematic of Hostaphan® 4407



Typical Properties of Hostaphan® 4407 Film

The Hostaphan® 4407 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	27,000 1,900	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	400,000 28,100	ASTM D 882
Coefficient of Friction (A/B)	Kinetic	--	0.35	ASTM D 1894
Shrinkage	MD TD	%	1.0 1.0	30 min. at 150°C
Density		g/cm ³	1.395	ASTM D 1505
Total Haze*		%	200 gauge 0.45 300 " 0.50 400 " 0.55 500 " 0.65 700 " 1.0	ASTM D-1003

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