

Mitsubishi Chemical America, Inc.

Product Bulletin

Description

Hostaphan® 4507 is an ultra-clear polyester film that is chemically treated to provide enhanced adhesion to solvent-based inks, coatings, and adhesives. It combines high durability and optical clarity with balanced shrink for improved flatness after thermal processing.

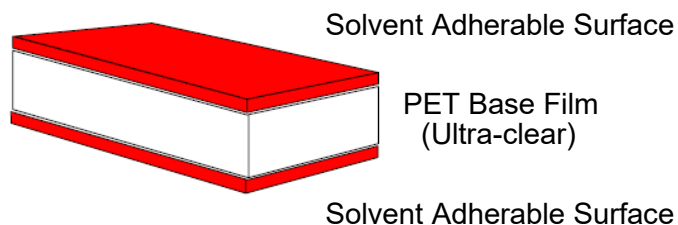
Performance

Hostaphan® 4507 is designed for applications requiring glass-like clarity. The chemical treatment also improves slip for enhanced handling and windability. Hostaphan® 4507 demonstrates excellent adhesion to solvent-based inks, coatings, and adhesives. Hostaphan® 4507 is used in a wide variety of applications such as labels, metallized film, ID cards, holographics, printing plates, and reprographics.

Benefits

- Two-side primed (4507)
- Adhesion promotion for solvent-based systems
- Excellent flatness
- Excellent color and clarity

Schematic of Hostaphan® 4507



Typical Properties of Hostaphan® 4507 Film

The Hostaphan® 4507 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. The following values are not binding specifications and may vary.

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	--	0.45	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*		%	142 gauge 0.35 200 " 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.

Approved MG 5/2016

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