

4747 Solvent Adherable Antistatic Film



PRODUCT BULLETIN

Description

Hostaphan[®] 4747 is an ultra-clear polyester film that is chemically treated on one side to promote adhesion to solvent based inks and coatings and on the other side to reduce static propensity and improve handleability. It combines high durability and optical clarity with balanced shrink for improved flatness after thermal processing.

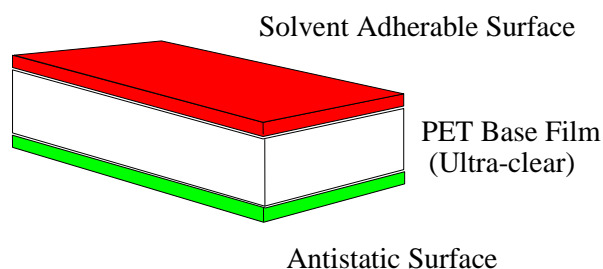
Performance

Hostaphan[®] 4747 is designed for applications requiring glass-like clarity, reduced static and adhesion to solvent-based systems. The chemical treatment also improves slip for enhanced handling and windability. This product can be used in transparencies and reprographics.

Benefits

- Antistatic surface assures cleanliness
- Adhesion promotion
- Excellent flatness
- Excellent color and clarity

Schematic of Hostaphan[®] 4747



Typical Properties of Hostaphan® 4747 Film

The Hostaphan® 4747 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		in ² •mil/lb m ² •mm/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	410,000 28,800	ASTM D 882
Coefficient of Friction (A/B)	Kinetic	--	0.40	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 0.40 300 " 0.48 400 " 0.58 500 " 0.66 700 " 0.85	ASTM D-1003

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

ANTISTAT FUNCTIONALITY

Property	Unit of Measure	Typical Value	Test Standard Specification	Test Conditions
Surface Resistivity	ohms	5.0 X 10 ¹⁰	ASTM D 257	23°C @ 50% R.H.
Static Charge Decay	seconds	0.05	Federal Test Method Standard No. 101B; Method 4046 Equipment; Electro-Tech System; Model 406C	23°C @ 50% R.H.



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