

# 4747 Solvent Adherable & Antistatic Film



PRODUCT BULLETIN

## Description

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

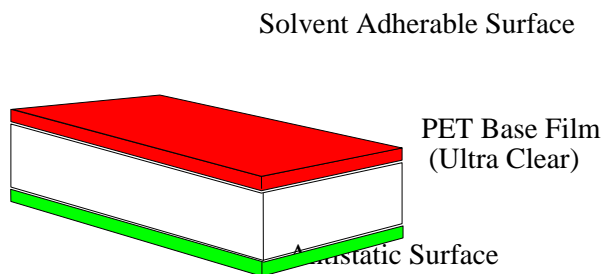
## Performance

Hostaphan® 4747 is designed for markets requiring glass-like clarity, reduced static and solvent adherability. This is possible through the chemical treatment on one side with an antistat coating and the other side with a solvent adherable coating. These coatings also provide the slip necessary to handle and wind an unfilled film. 4747 is 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 <sup>2</sup> •mil/lb m <sup>2</sup> •µm/kg	19,800 717	ASTM D 4321
Tensile Strength	MD	psi kg/cm <sup>2</sup>	30,000 2,110	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm <sup>2</sup>	15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%	150	ASTM D 882
Modulus	MD	psi kg/cm <sup>2</sup>	500,000 35,200	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 <sup>3</sup>	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.

## ANTISTAT FUNCTIONALITY

Property	Unit of Measure	Typical Value	Test Standard Specification	Test Conditions
Surface Resistivity	ohms	5.0 X 10 <sup>10</sup>	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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