

4707 Antistatic Film



PRODUCT BULLETIN

Description

Hostaphan® 4707 is an ultra clear polyester film that is chemically treated on one side to reduce static propensity and improve handleability. It combines high durability, optical clarity and balanced shrinkage for improved flatness after thermal processing.

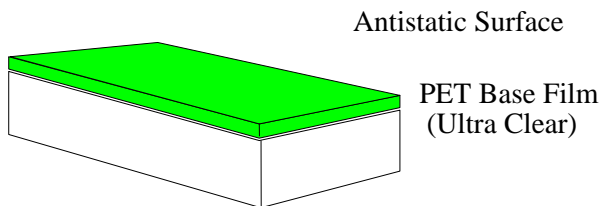
Performance

Hostaphan® 4707 is designed for markets requiring glass-like clarity and reduced static. The chemical treatment is an antistat which also provides the slip necessary to handle and wind an unfilled film. 4707 is used in printing plates, antifog shields, reprographics and engineering film.

Benefits

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

Schematic of Hostaphan® 4707



Typical Properties of Hostaphan® 4707 Film

The Hostaphan® 4707 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 Hostaphan 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	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	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 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 Hostaphan 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 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.



PO Box 1400 • Hood Road • Greer SC 29652 • 864-879-5000 • 864-879-5006 • www.m-petfilm.com

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