

Mitsubishi Chemical America, Inc.

Product Bulletin

Description

Hostaphan® MT44 polyester film is a dual surface film that has a rough, matte surface on one side and a glossy, smooth surface on the other side. It combines differential surface roughness with high strength and durability, good dimensional stability, and excellent chemical resistance.

Performance

Hostaphan® MT44 polyester film is designed for use in industrial casting applications.

Benefits

- Two side differential surface roughness
- Matte surface for roughness and low gloss
- Smooth surface for high gloss

Schematic of Hostaphan® MT44

PET Matte Surface

PET Smooth Base Film

PET Smooth Surface

Typical Properties of Hostaphan® MT44 Film

The Hostaphan® MT44 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	200 gauge (2 mil, 50 um)	in ² /lb m ² /kg	9,901 14.1	ASTM D 4321
Tensile Strength	MD	psi kg/cm ²	30,000 2,100	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm ²	15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%	115	ASTM D 882
Modulus	MD	psi kg/cm ²	550,000 38,700	ASTM D 882
Shrinkage	MD TD	%	3.0 0.5	30 min. at 190°C
Density		g/cm ³	1.395	ASTM D 1505
Total Haze	200 gauge	%	35.0	ASTM D-1003
R _a Matte*	200 gauge	nm	400 - 500	
R _a Smooth*	200 gauge	nm	5 - 10	

* Values for reference data only. Contact a Polyester Film Sales Representative for additional information.

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