

Mitsubishi Chemical America, Inc.

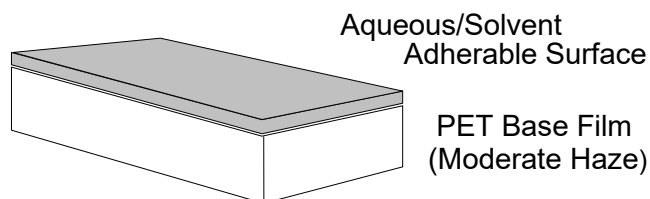
Description

Hostaphan® 2MA1N polyester film is chemically primed for enhanced adhesion. It combines high strength and flexibility, good dimensional stability, and excellent chemical resistance.

Performance

Hostaphan® 2MA1N has excellent slip and good dimensional stability over a wide temperature range. The primed surface provides enhanced adhesion to both aqueous and solvent based inks, coatings, adhesives and metallization. 2MA1N can be coated or metallized to enhance barrier properties. This product is designed specifically for use in packaging applications. Hostaphan® 2MA1N is not recommended for applications subject to severe retort conditions.

Schematic of Hostaphan® 2MA1N



Benefits

- Available in one side primed
- Enhanced adhesion of both aqueous and solvent based inks, coatings and adhesives
- Significantly improved metal adhesion; improvement increases with harder vacuum conditions
- High surface energy provides excellent wet out for a variety of inks, coatings and adhesives
- Most inks, barrier coatings, adhesives and metallization may be applied to the chemically primed side without additional priming or corona treatment.
- Excellent handling characteristics

FDA Status

Hostaphan® 2MA1N may be used in direct food contact applications subject to limitations found in 21 CFR 177.1630 and in accordance with good manufacturing practices. Please contact a Polyester Film Sales Representative for more information.

Typical Properties of Hostaphan® 2MA1N Film

The Hostaphan® 2MA1N 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		in ² •mil/lb m ² •µm/kg		19,800 717	ASTM D 4321
Tensile Strength	MD	psi kg/cm ²		32,000 2,250	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm ²		15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%		100	ASTM D 882
Modulus	MD	psi kg/cm ²		600,000 42,200	ASTM D 882
Coefficient of Friction A/A	Static Kinetic	--		0.45 0.40	ASTM D 1894
Shrinkage	MD TD	%		1.5 0.4	30 min. at 150°C
Tear Strength	MD	g/mil g/µm		20 0.8	ASTM D 1922
Moisture Vapor Transmission Rate		g /100 in ² •24 hr g /m ² •24 hr	48 gauge	3.7 57	ASTM E 96 , E
Oxygen Transmission Rate		cc /100 in ² •24 hr•atm cc /m ² •24hr•atm	48 gauge	9.1 141	ASTM D 3985
Density		g/cm ³		1.395	ASTM D 1505
Total Haze*		%	48 gauge	3.0	ASTM D-1003

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.

Approved RS 6/2016

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