



Description

Hostaphan® 24EB is a developmental polyester film that is chemically primed on one side for improved oxygen barrier. It combines high strength and flexibility, good dimensional stability and excellent chemical resistance.

Performance

Hostaphan® 24EB has excellent slip and good dimensional stability over a wide temperature range. The primed surface provides oxygen barrier in the range of PVdC coated PET, but without the chlorinated polymer. 24EB can be printed and laminated with standard inks and adhesives or metallized to enhance barrier properties. 24EB is designed specifically for use in packaging applications.

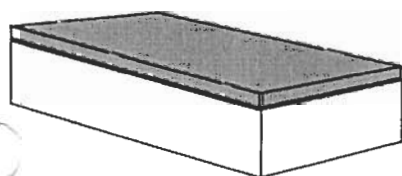
FDA Status

The plain side of Hostaphan® 24EB may be used in direct food contact subject to limitations found in 21 CFR 177.1630 and in accordance with good manufacturing practices. The coated surface may not be used in direct food contact. A functional barrier is required between this surface and any food.

Benefits

- Oxygen barrier typically ≤ 0.5 cc/100 in²/ day-atm.
- Can be printed and / or laminated with standard inks and adhesives to give typical packaging constructions
- Excellent clarity
- Excellent handling characteristics
- Available in 48 gauge
- When metallized, oxygen barrier is < 0.02 cc/100 in²/ day-atm with excellent metal adhesion.

Schematic of Hostaphan® 24EB



Oxygen Barrier Surface

PET Base Film
(Moderate Haze)

Typical Properties of Hostaphan® 24EB Film

The Hostaphan® 24EB 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		32,000 2,250	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm ²		15,500 1,090	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/B	(static) (kinetic)	--		0.40 0.37	ASTM D 1894
Shrinkage	MD TD	%		1.9 0.4	30 min. at 150°C
Oxygen Transmission Rate		cc /100 in ² •24 hr•atm cc /m ² •24hr•atm	48 gauge	< 0.5 < 7.8	ASTM D 3985 (see discussion concerning measurement method)
Oxygen Transmission Rate (Metallized -2.4 OD)		cc /100 in ² •24 hr•atm cc /m ² •24hr•atm	48 gauge	< 0.02 < 0.3	ASTM D 3985
Water Vapor Transmission Rate		g/100 in ² •24 hr g /m ² •24hr	48 gauge	3.4 53	ASTM E 96, E
Tear Strength	MD	g/mil g/μm		20 0.8	ASTM D 1922
Density		g/cm ³		1.395	ASTM D 1505
Total Haze*		%	48 gauge	2.7	ASTM D-1003

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



PO Box 1400 • Hood Road • Greer, SC 29652 • Tel 864-879-5000 • Fax 864-879-5006 • www.m-peffilm.com

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