24CTN
Packaging Film

Mitsubishi Chemical America, Inc.

Product Bulletin

Description

Hostaphan™ 24CTN is a corona treated polyester film that combines high strength and durability, good dimensional stability, and excellent chemical resistance. This product is corona treated on one side to enhance wettability.

Performance

Hostaphan™ 24CTN film has excellent slip and good dimensional stability over a wide temperature range. It can be *coated* or *metallized* to enhance barrier properties. This film can be used in a variety of printing and converting processes and packaging applications.

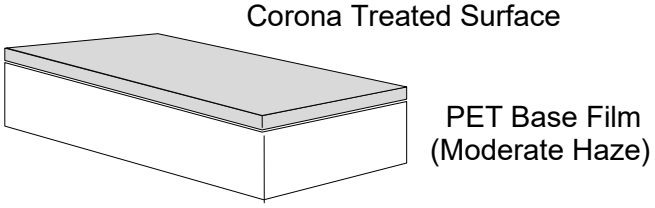
FDA Status

Hostaphan™ 24CTN can be used for food contact applications subject to limitations found in 21 CFR 177.1630 and in accordance with good manufacturing practices. Contact a Polyester Film Sales Representative for additional information.

Benefits

- Corona treatment provides surface wettability of 52 dynes or greater
- Can be coated or printed using methods suitable for corona treated polyester
- Can be coated or printed using methods suitable for plain polyester
- Excellent handling characteristics

Schematic of Hostaphan™ 24CTN



Typical Properties of Hostaphan™ 24CTN Film

The Hostaphan™ 24CTN 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•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	15,000 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/B	Static Kinetic	--	0.40 0.37	ASTM D 1894
Shrinkage	MD TD	%	1.5 0.4	30 min. at 150°C
Surface Tension (corona treated side)		dynes	52 minimum	ASTM D 2578
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	3.7 (48 gauge) 1.9 (92 gauge) 57 (48 gauge) 29 (92 gauge)	ASTM E 96
Oxygen Transmission Rate		cc /100 in^2•24 hr•atm cc /m^2•24hr•atm	9.1 (48 gauge) 4.6 (92 gauge) 141 (48 gauge) 70 (92 gauge)	ASTM D 3985
Density		g/cm^3	1.3975	ASTM D 1505
Total Haze*		%	2.7 (48 gauge) 3.8 (92 gauge) 4.6 (118 gauge)	ASTM D-1003

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved AP 3/2019

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