

# 2400N & 24CTN Packaging Films



PRODUCT BULLETIN

## Description

Hostaphan® 2400N is an untreated polyester film that combines high strength and durability, good dimensional stability and excellent chemical resistance. Hostaphan® 24CTN maintains these characteristics and is also corona treated on one side to enhance wettability.

## Performance

Hostaphan® 2400N & 24CTN films have excellent slip and good dimensional stability over a wide temperature range. They can be *coated* or *metallized* to enhance barrier properties. These films can be used in a variety of printing and converting processes and packaging applications.

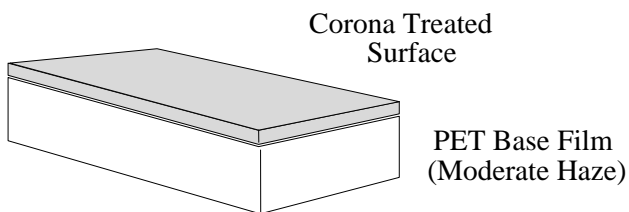
## FDA Status

Hostaphan® 2400N & 24CTN can be used for direct food contact applications subject to limitations found in 21 CFR 177.1630 and in accordance with good manufacturing practices. USDA acceptance and Drug Master File information is available on request.

## 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
- Available in special grade suitable for metallizing

## Schematic of Hostaphan® 24CTN



## Typical Properties of Hostaphan® 2400N & 24CTN Films

The Hostaphan® 2400N & 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 Mitsubishi Polyester Film Sales Representative.

Property		Unit of Measure	Typical Value*	Test Method
Area Yield		in <sup>2</sup> •mil/lb m <sup>2</sup> •µm/kg	19,800 717	ASTM D 4321
Tensile Strength	MD	psi kg/cm <sup>2</sup>	32,000 2,250	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm <sup>2</sup>	15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%	100	ASTM D 882
Modulus	MD	psi kg/cm <sup>2</sup>	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 <sup>2</sup> •24 hr g /m <sup>2</sup> •24 hr	48 gauge 3.7 57	ASTM E 96
Oxygen Transmission Rate		cc /100 in <sup>2</sup> •24 hr•atm cc /m <sup>2</sup> •24hr•atm	48 gauge 9.1 141	ASTM D 3985
Density		g/cm <sup>3</sup>	1.3975	ASTM D 1505
Total Haze*		%	48 gauge 1.5 - 3.5	ASTM D-1003

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



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