

Mitsubishi Chemical America, Inc.

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.

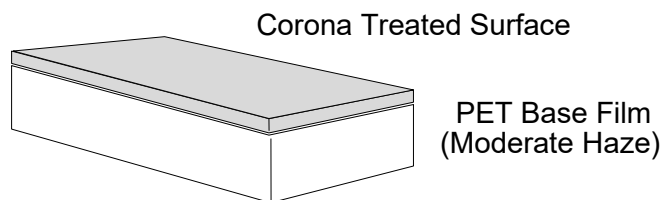
FDA Status

Both sides of Hostaphan® 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. Contact a Polyester Film Sales Representative for more 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) 57 (48 gauge)	1.9 (92 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) 141 (48 gauge)	4.6 (92 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

Mitsubishi Chemical America, Inc. • PO Box 1400 • 2001 Hood Road • Greer, SC 29652 • 864-879-5000 • 864-879-5006 • www.m-petfilm.com

Hostaphan is a registered trademark of Hoechst AG and is licensed to Mitsubishi Chemical America, Inc. The information contained herein is believed to be true and accurate, but all data, recommendations and suggestions are provided without guarantee, since the conditions of use are beyond our control and can affect the performance and properties of our products. The user is solely responsible for confirming that our product is suitable for the intended end use, and for compliance with all legal regulations and patents. Other than compliance with published Mitsubishi Chemical America, Inc. specifications for one year following purchase, if properly handled, and except as required by law, MITSUBISHI CHEMICAL AMERICA, INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If a product is found to be non-conforming during the warranty period, user's sole remedy and our sole obligation is, at our option, replacement of the affected product or refund of the purchase price. Except as required by law, we are not liable for any damage, harm or loss resulting from our product, whether direct, indirect, consequential, incidental or special, and irrespective of legal theory asserted, including strict liability, contract, warranty, or negligence.

©2000 – 2017, 2019, 2021, 2022 Mitsubishi Chemical America, Inc. All rights reserved.