

Mitsubishi Chemical America, Inc.

Description

Hostaphan® 2CSRN is a polyester film that is chemically primed on one side for enhanced adhesion. It combines high strength and flexibility, good dimensional stability, and excellent chemical resistance.

Performance

Hostaphan® 2CSRN has excellent slip and good dimensional stability over a wide temperature range. The primed surface provides enhanced adhesion to solvent based inks, coatings, and adhesives, as well as vacuum deposited metal. 2CSRN can be *coated* or *metallized* to enhance barrier properties and is designed specifically for use in packaging applications including severe retort conditions.

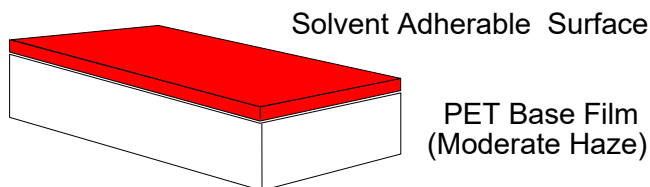
FDA Status

The plain side as well as the chemically primed side of Hostaphan® 2CSRN can be used for direct food contact applications subject to limitations found in 21 CFR 177.1630 and in accordance with good manufacturing practices. For more information, contact a Polyester Film Sales Representative.

Benefits

- One side chemically primed
- Enhanced adhesion of solvent based inks, coatings and adhesives
- Improved metal adhesion
- Inks, barrier coatings, adhesives and metallization may be applied to the chemically primed side without additional priming or corona treatment
- Excellent handling characteristics
- Suitable for applications subject to “Retort” Conditions
- Available gauges: 48, 92

Schematic of Hostaphan® 2CSRN



Typical Properties of Hostaphan® 2CSRN Film

The Hostaphan® 2CSRN 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/B	Static Kinetic	--		0.40 0.37	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
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	2.7	ASTM D-1003

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved RS 5/2016

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