

## 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.

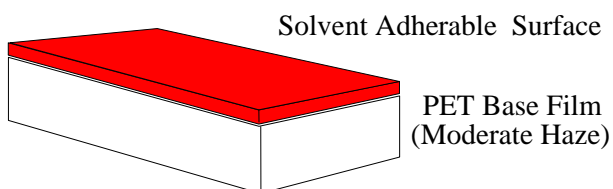
## FDA Status

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 your Mitsubishi 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 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
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>		1.395	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.

Approved JT 6/09



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