

2RD6N High Surface Friction



PRODUCT BULLETIN

Description

Hostaphan® 2RD6N polyester film is chemically primed on one side for enhanced adhesion and offers moderate COF on one side. The film combines high strength and flexibility, good dimensional stability and excellent chemical resistance.

Performance

Hostaphan® 2RD6N polyester film has 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. 2RD6N can be coated or metallized to enhance barrier properties.

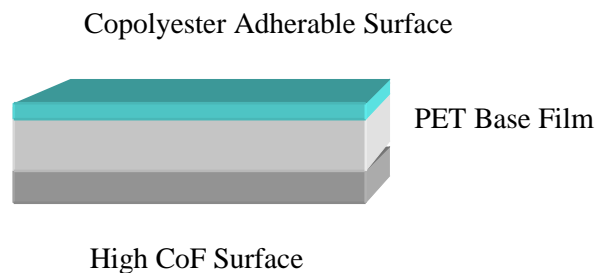
FDA Status

The uncoated side Hostaphan® 2RD6N can be used for direct food contact applications subject to limitations found in 21 CFR 177.1630. The chemically primed side of 2RD6N can be used in direct contact with dry foods and fatty foods and with aqueous foods under low temperature conditions. Other applications may require a functional barrier. For more information, contact your Mitsubishi Polyester Film Sales Representative.

Benefits

- Copolyester coated on one side (2RD6N)
- Most inks, barrier coatings, adhesives and metallization may be applied to the chemically treated side without additional priming
- Excellent handling characteristics
- High Friction side has kinetic CoF > 0.60
- Standard gauge: 48

Schematic of Hostaphan® 2RD6N



Typical Properties of Hostaphan® 2RD6N Films

The Hostaphan® 2RD6N 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	48 ga.	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 1 / 2	Static	--	0.40	ASTM D 1894
	Kinetic	--	0.37	
Coefficient of Friction 2 / 2	Static	--	> 0.6	ASTM D 1894
	Kinetic	--	> 0.6	
Shrinkage	MD	%	2.5	30 min. at 150°C
	TD	%	0.8	
Tear Strength	MD	g/mil	20	ASTM D 1922
Moisture Vapor Transmission Rate	48 ga.	g /100 in ² •24 hr	3.7	ASTM E 96
		g /m ² •24 hr	57	
Oxygen Transmission Rate	48 ga.	cc /100 in ² •24 hr•atm	9.1	ASTM D 3985
		cc /m ² •24hr•atm	141	
Density		g/cm ³	1.395	ASTM D 1505
Total Haze*		%	48 ga. 3.0	ASTM D-1003
Surface Energy		dynes	Adherable surface ~ 50	Water contact angle

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

Approved RS 4/16



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