

2LRLN Cold Seal Release



PRODUCT BULLETIN

Description

Hostaphan® 2LRLN polyester film is chemically primed on one side for cold seal adhesive release and chemically primed on the opposite side for adhesion promotion. This product combines high strength and flexibility, good dimensional stability, excellent chemical resistance with low force cold seal release.

Performance

Hostaphan® 2LRLN has excellent slip and good dimensional stability over a wide temperature range. This product is designed specifically for use in packaging applications where cold seal adhesive release is needed. In addition, Hostaphan® 2LRLN has an adhesion-promoting surface for printing and lamination.

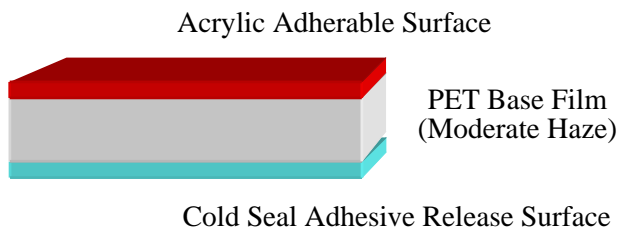
FDA Status

Both sides of Hostaphan® 2LRLN may be used in direct food contact subject to the limitations found in 21 CFR 177.1630. Contact your Mitsubishi Polyester Film Sales Representative for more information.

Benefits

- Available in 48 gauge
- Excellent handling characteristics
- Release levels ≤ 80 gm/in with most cold seal releases
- No cold seal deadening
- Typically used in “buried print” cold seal applications
- Standard gauge: 48

Schematic of Hostaphan® 2LRLN



Typical Properties of Hostaphan® 2LRLN Film

The Hostaphan® 2LRLN 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 / lb	41254	ASTM D 4321
Tensile Strength	MD	psi	32,000	ASTM D 882
Yield Strength (F5)	MD	psi	15,000	ASTM D 882
Ultimate Elongation	MD	%	100	ASTM D 882
Modulus	MD	psi	600,000	ASTM D 882
Coefficient of Friction	Kinetic	--	A/A A/B B/B 0.08-0.18 < 0.30 0.27-0.45	ASTM D 1894
Shrinkage	MD TD	%	2.5 0.8	30 min. at 150°C
Tear Strength	MD	g/mil	20	ASTM D 1922
Moisture Vapor Transmission Rate		g /100 in ² •24 hr g /m ² •24 hr	48 ga. 3.7 57	ASTM E 96 , E
Oxygen Transmission Rate		cc /100 in ² •24 hr•atm cc /m ² •24hr•atm	48 ga. 9.1 141	ASTM D 3985
Density		g/cm ³	1.395	ASTM D 1505
Total Haze*		%	48 ga. 2.7	ASTM D-1003
Cold Seal Adhesive Release		gm/in	≤ 80	Internal Test
Surface Energy		slip / release side acrylic side	36 43	Internal test (contact angle)

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



PO Box 1400 • 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 Polyester Film, 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 Polyester Film, Inc. specifications for one year following purchase, and except as required by law, MITSUBISHI POLYESTER FILM, 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 defective 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, 2008 Mitsubishi Polyester Film, Inc. All rights reserved.