

Mitsubishi Chemical America, Inc.

Description

Hostaphan® 2PRKN is a one side silicone coated film with moderate haze. This special silicone coating is formulated to give premium release from selected solvent-based adhesives. Along with high strength, flexibility, and chemical resistance, this product provides excellent slip and good dimensional stability over a wide temperature range.

Performance

The silicone coating on Hostaphan® 2PRKN is specially treated prior to winding. This special treatment minimizes back-side transfer of the silicone, which may affect the adhesion. Because the silicone is highly cured, there will be essentially no migration of the silicone to any adhesive which may be in contact with the film.

FDA Status

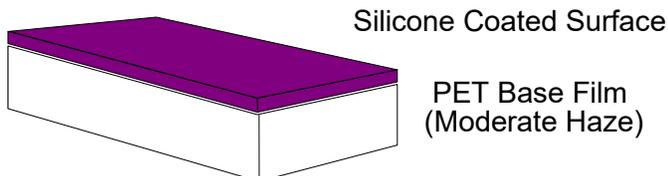
Both sides of Hostaphan® 2PRKN can be used for direct food contact applications subject to limitations found in 21 CFR 177.1630 and in accordance with good manufacturing practices. For more information, contact a Polyester Film Sales Representative.

Product Safety Information

WARNING:

Silicone coated film is very slippery. Do not discard scrap film on the floor. Injury may result if stepped on.

Schematic of Hostaphan® 2PRKN



Benefits

- Minimum silicone rub-off
- Provides very consistent release level with aging
- Excellent handling characteristics
- Clear distortion free coating
- Ultra-thin, highly cured coating which does not smear
- Better than 95% subsequent adhesion
- No Static induced defects (Newton Rings)

Typical Properties of Hostaphan® 2PRKN Film

The Hostaphan® 2PRKN 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	Kinetic	-	0.25	ASTM D 1894
Shrinkage	MD TD	%	1.5 0.4	30 min. at 150°C
Density		g/cm ³	1.395	ASTM D 1505
Total Haze*		%	106 gauge 4.5 118 " 5.0 142 " 5.5	ASTM D 1003

SILICONE FUNCTIONALITY

Release From Silicone Side	g/in	3 to 10 < 8	T-peel from 3M 610 and TESA 4154 tape @ 12 in./min T-peel from laminate
----------------------------	------	----------------	--

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved RC 3/2016

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 – 2008, 2016, 2021, 2022 Mitsubishi Chemical America, Inc. All rights reserved.