

Hostaphan® RN 2SLK 75-250

Silicone liner film

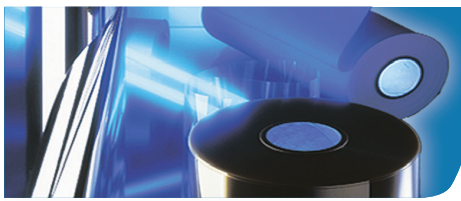
Hostaphan® RN 2SLK is a biaxially oriented film made of polyethylene terephthalate (PET) that is silicone coated on one side. The film is designed to be used in various release liner applications. Because the silicone is highly cured, there is essentially no migration of the silicone to any adhesive which may be in contact with the film. The film is not permitted to be used in food applications in the EU.

WARNING:

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

Typical properties

Property	Thickness µm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	75, 125 250	N/mm ²	190 180	220 220	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	75, 125 250	%	200 215	150 150	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	75, 125 250	N/mm ²	4100 3800	4600 4600	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
F5-value (stress to obtain 5% elongation)	75, 125 250	N/mm ²	105 110	100 110	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	75, 125 250	%	1.0 1.0	0.3 0.8	DIN 40634	150°C, 15 min.
OPTICAL						
Haze	75 125 250	%		12 19 30	ASTM-D 1003-61 method A	Enlarged measurement angle
SURFACE						
Coefficient of friction (static) PET/PET Silicone/PET	75 - 250	-		0.4 0.1	DIN53375 or ASTM-D 1894	-
PHYSICAL/CHEMICAL						
Density	75 - 250	g/cm ³		1.4	ASTM-D 1505-68 method C	23°C



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SILICONE FUNCTIONALITY						
Release from silicone side	75 - 250	g/25 mm	20			Supported T-peel from tesa 7475 tape @ 12 in/min, initial value
Smear	75 - 250	-	None			Haze observed when rubbed once with index finger.
Rub-off	75 - 250	-	None			Coating removed when rubbed hard with index finger.

MD = Machine direction, TD = Transverse direction

Applications:

- Release liner for label stock
- Tapes
- Process liner
- Other release applications

Delivery program Hostaphan® RN 2SLK

Thickness μm	Yield		Roll length <i>m</i>	Roll-diameter <i>mm</i>	Roll length <i>m</i>	Roll-diameter <i>mm</i>
	g/m^2	m^2/kg				
75	105	9.5	2 000	475	4 000	650
125	175	5.7	1 280	485	2 560	670
250	350	2.9	600	475	1 200	650

Other thicknesses or roll lengths on request. Core diameter: 152.4 mm (6")

This data sheet reflects our state of knowledge at the time this was prepared. The purpose is to provide an overview of the characteristics of our products and their potential uses. The values given reflect the typical characteristics of the film. They are not specification limits. They are neither a guarantee of specific properties nor the suitability of products in specific applications. The user must observe industrial property rights, such as patents or trademarks. The quality of our products is covered by the terms of the General Conditions of Sale of MITSUBISHI POLYESTER FILM GmbH.