

# **HOSTAPHAN®**

## 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	Units	Value		Test Method	Test Conditions		
	μт		MD	TD				
MECHANICAL								
Tensile strength	75, 125 250	N/mm²	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/mm²	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/mm²	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/cm³	1	.4	ASTM-D 1505-68 method C	23℃		



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Property	Thickness	Units	Value	Test Method	Test Conditions		
	μm		MD TD				
SILICONE FUNCTIONALITY							
Release from sili- cone 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	Yield		Roll length	Roll-	Roll length	Roll-
				diameter		diameter
μm	g/m²	m²/kg	m	mm	m	mm
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.

