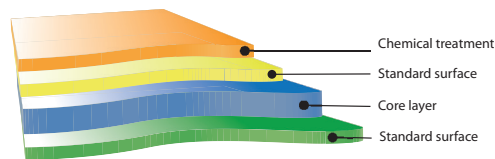


## Hostaphan® RNK SAO

### Polyester film for off-line siliconisation

Hostaphan® RNK SAO is a biaxially oriented coextruded film made of polyethylene terephthalate (PET) which is chemically pre-treated on one side to improve bonding to various silicone systems. Solvent, solventless and emulsion systems from several major silicone suppliers were evaluated using thermal, UV and E-beam curing methods with standard industry testing for rub-off, smear and migration.

### Layer structure of Hostaphan® RNK SAO



### Typical properties

Property	Thickness $\mu\text{m}$	Units	Value		Test Method	Test Conditions
			MD	TD		
<b>MECHANICAL</b>						
Tensile strength	75	N/mm <sup>2</sup>	185	280	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	75	%	210	125	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	75	N/mm <sup>2</sup>	4100	5500	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	N/mm <sup>2</sup>	115	110	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
<b>THERMAL</b>						
Shrinkage	75	%	1.0	0.2	DIN 40634	150°C, 15 min.
<b>OPTICAL</b>						
Transparency	75	%	90		ASTM-D 1003-61 method A	-
Haze	75	%	4		ASTM-D 1003-61 method A	Enlarged measurement angle
<b>PHYSICAL/CHEMICAL</b>						
Density	75	g/cm <sup>3</sup>	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction



# HOSTAPHAN®

## Applications:

- Siliconisation

## Delivery program Hostaphan® RNK SAO

Thickness	Yield		Roll length	Roll-diameter	Roll length	Roll-diameter
	$\mu\text{m}$	$\text{g}/\text{m}^2$				
75	110	9.6	4 000	650	6 000	790

Other 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.

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