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HOSTAPHAN®

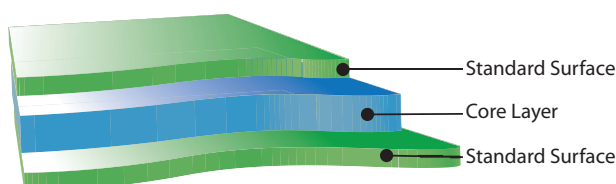
Preliminary data sheet

Hostaphan® RNKS

Highly glossy, transparent polyester film with excellent separating characteristics for GRP production

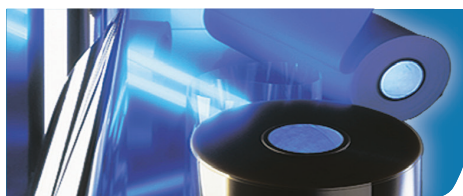
Hostaphan® RNKS is a transparent, biaxially oriented coextruded film made of polyethylene terephthalate (PET), especially designed for use as release film for production of glass fiber reinforced panels. It has excellent release properties and provides a high gloss finish to GRP products.

Layer structure of Hostaphan® RNKS



Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	15,23	N/mm ²	260	270	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	15, 23	%	135	125	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young´s Modulus	15, 23	N/mm ²	4600	5000	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)	15, 23	N/mm ²	110	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	15, 23	%	1.4	0.2	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	15, 23	%	90		ASTM-D 1003-61 method A	-
Haze	15, 23	%	3		ASTM-D 1003-61 method A	Enlarged measurement angle
SURFACE						
Coefficient of friction (static)	15, 23	-	0.4		DIN53375 or ASTM-D 1894	-
Surface tension	15, 23	mN/m (dyne/cm)	43		DIN 53364	Test inks



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Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
PHYSICAL/CHEMICAL						
Density	15, 23	g/cm^3	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

Delivery program Hostaphan® RNKS

Thickness μm	Yield		Roll length m	Roll diameter mm
	g/m^2	m^2/kg		
15	21	48	8 400	460
23	32	31	4 800	440

Shorter roll lengths on request. Core diameter: 200 mm (8")

Available film/roll width: 3400 - 3600 mm

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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