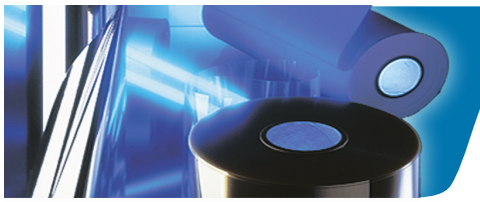


HOSTAPHAN®

Preliminary data sheet

Hostaphan® RN SI63O

Transparent, siliconised polyester film with low release force for release liners

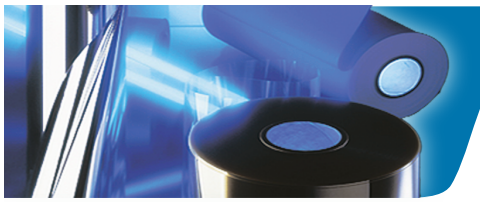
Hostaphan® RN SI63O is a one side silicone coated, biaxially oriented film, made of polyethylene terephthalate (PET) and characterized by outstanding properties. The siliconised film is designed to be used in release liner applications. Because the silicone is well cured, there is little migration of 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	23 30 36	N/mm^2	240 250 250	260 260 260	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	23 30 36	%	130 140 140	130 130 130	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young´s Modulus	23 30 36	N/mm^2	4400 4400 4400	4800 4800 4800	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)	23 30 36	N/mm^2	110 110 110	100 105 105	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	23-36	%	1.3	0.2	DIN 40634	150°C, 15 min.
SURFACE						
Coefficient of friction (Uncoated surface) Static Dynamic	23-36	-	 0.35 0.3		DIN53375 or ASTM-D 1894	-
PHYSICAL/CHEMICAL						
Density	23-36	g/cm^3	1.4		ASTM-D 1505-68 method C	23°C
SILICONE FUCTIONALITY						
Release from silicone side	23-36	g/25 mm	10		-	Unsupported T-peel from tesa 7475 tape @ 12in./min, initial value

MITSUBISHI POLYESTER FILM GmbH
Kasteler Str. 45 • 65203 Wiesbaden/Deutschland • marketing@m-petfilm.de • www.m-petfilm.de



HOSTAPHAN®

Property	*Thickness µm*	*Units*	*Value*		*Test Method*	*Test Conditions*
			MD	*TD*		
The release force given in this datasheet has been measured using a standard commercial adhesive tape. In our experience, release levels vary with different pressure sensitive adhesives, face-stock materials and thickness as well as test conditions. Actual release force needs to be measured specifically for any given liner/adhesive/face-stock structure.						
Subsequent adhesion	23-36	%	> 75		-	Similar to FINAT FTM 11
Smear	23-36	-	None		-	Haze observed when rubbed once with index finger
Rub-off	23-36	-	None		-	Coating removed when rubbed hard with index finger

MD = Machine direction, TD = Transverse direction

Applications:

- Release liner for label stock
- Other release applications

Delivery program Hostaphan® RN SI63O

Thickness	*Yield*		*Roll length*	*Roll-diameter*
µm	*g/m²*	*m²/kg*	*m*	*mm*
23	32	31	On request	On request
30	42	24		
36	50	20		

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.

Edition 04/21

MITSUBISHI POLYESTER FILM GmbH
Kasteler Str. 45 • 65203 Wiesbaden/Deutschland • marketing@m-petfilm.de • www.m-petfilm.de