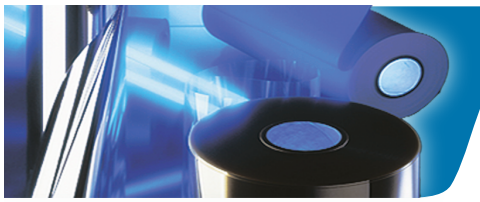

HOSTAPHAN®

Preliminary data sheet

Hostaphan® PCR PR3N 2SLK

Transparent, siliconised polyester film for release liners containing 30% of post consumer recycled (PCR) polyester

Hostaphan® PCR PR3N 2SLK is a one side silicone coated, biaxially oriented film, made of polyethylene terephthalate (PET) and characterized by outstanding properties. 30 % of the weight consists of post consumer recycled (PCR) polyester. The PCR material is added to the core layer of the film only. The cover layers are made of 100 % virgin material.
The siliconised film is designed to be used in 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	23, 30	N/mm^2	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	%	140	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	N/mm^2	4400	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)	23, 30	N/mm^2	110	105	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	23, 30	%	1.3	0.2	DIN 40634	150°C, 15 min.
SURFACE						
Coefficient of friction (uncoated surface) Static Dynamic	23, 30	-		0.4 0.35	DIN53375 or ASTM-D 1894	-
PHYSICAL/CHEMICAL						
Density	23, 30	g/cm^3	1.4		ASTM-D 1505-68 method C	23°C

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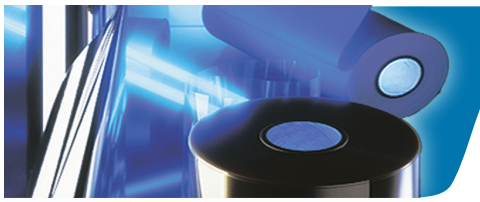
Kasteler Str. 45 • 65203 Wiesbaden/Deutschland • marketing@m-petfilm.de • www.m-petfilm.de



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Property	Thickness µm	Units	Value MD	Value TD	Test Method	Test Conditions
SILICONE FUNCTIONALITY						
Release from silicone side	23, 30	g/25 mm	14		-	Unsupported T-peel from tesa 7475 tape @ 12in./min, initial value
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, 30	%	> 90		-	Similar to FINAT FTM 11
Smear	23, 30	-	None			Haze observed when rubbed once with index finger.
Rub-off	23, 30	-	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® PCR PR3N 2SLK

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

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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