

Hostaphan® PCR WN5N

Translucent polyesterfilm

Hostaphan® PCR WN5N is a blue, biaxially oriented coextruded film made of polyethylene terephthalate (PET). 50 % of the weight consists of post consumer recycled (PCR) polyester.

Typical properties

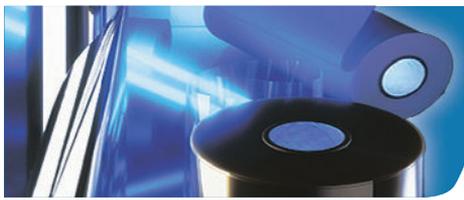
Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	175	N/mm ²	180	220	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	175	%	200	130	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	175	N/mm ²	3700	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)	175	N/mm ²	110	110	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	175	%	1.0	1.0	DIN 40634	150°C, 15 min.
PHYSICAL/CHEMICAL						
Density	175	g/cm ³	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

Delivery program Hostaphan® PCR WN5N

Thickness μm	Yield		Roll length <i>m</i>	Roll-diameter <i>mm</i>
	<i>g/m²</i>	<i>m²/kg</i>		
175	245	4.1	840	475

Other roll length on request. Core diameter: 152.4 mm (6")



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The properties specified in the data sheet only apply to the film itself. The relevant properties of an end- or intermediate product made from the film or with the help of the film must be checked by industry-standard tests and cannot be guaranteed by us.

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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