



## Hostaphan® WNL

### Translucent white polyester film for lamination

Hostaphan® WNL is a white biaxially oriented film made of polyethylene terephthalate (PET). It is characterized by outstanding physical properties.

### Typical properties

Property	Thickness $\mu\text{m}$	Units	Value		Test Method	Test Conditions
			MD	TD		
<b>MECHANICAL</b>						
Tensile strength	19, 23 50	N/mm <sup>2</sup>	190 180	230 220	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	19, 23 50	%	110 150	70 110	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	19, 23 50	N/mm <sup>2</sup>	4300 4100	5300 5300	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
<b>THERMAL</b>						
Shrinkage	19, 23, 50	%	1.0	1.0	DIN 40634	150°C, 15 min.
<b>OPTICAL</b>						
Transparency	19, 23 50	%	40 28		ASTM-D 1003-61 method A	-
<b>SURFACE</b>						
Gloss	19, 23 50	-	88 50		DIN 67530	Measuring angle 20°
<b>PHYSICAL/CHEMICAL</b>						
Density	19, 23, 50	g/cm <sup>3</sup>	1.46		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

### Delivery program Hostaphan® WNL

Thickness $\mu\text{m}$	Yield		Roll length <i>m</i>	Roll-diameter <i>mm</i>
	<i>g/m<sup>2</sup></i>	<i>m<sup>2</sup>/kg</i>		
19	28	36	On request	On request
23	34	29		
50	73	14		

Core diameter: 152.4 mm (6")



**HOSTAPHAN®**

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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