

Hostaphan® WO

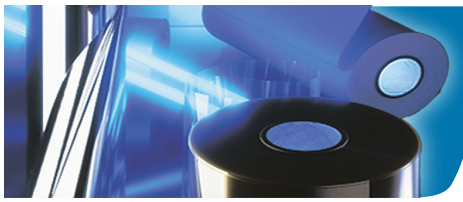
White opaque polyester film

Hostaphan® WO is a white opaque film made of polyethylene terephthalate (PET) and is characterized by its very low transparency and high degree of whiteness. It is therefore particularly suitable as a versatile print medium, offering outstanding high mechanical strength and good dimensional stability.

Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	50-125 175-190 250 350	N/mm ²	170 150 150 140	190 180 170 140	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	50-250 350	%	150 150	110 120	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
F5-value (stress to obtain 5% elongation)	50 75-100 125-350	N/mm ²	85 90 95	95 100 105	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	50-250 350	%	1.0 0.8	1.0 0.8	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	50 75 100-350	%	20 13 9		ASTM-D 1003-61 method A	-
Yellowness Index	50-350	-	-9		ASTM E313-96/ D65	
Whiteness (Berger)	50-350	-	110		ASTM-E 308	Reflection mode
CIE Lab L*	50-350	-	93		ISO 7724	Reflection mode
SURFACE						
Gloss	50-350	-	45		DIN 67530	Measuring angle 60°
Roughness Ra value	50-350	nm	50		DIN 4768	Cut off 0.25 mm
PHYSICAL/CHEMICAL						
Density	50-125 175-350	g/cm ³	1.4 1.5		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction



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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