

Hostaphan® STK

Super-matte polyester film with high roughness and low transverse shrinkage

Hostaphan® STK is a biaxially oriented coextruded, super matte film, made of polyethylene terephthalate (PET). It has a regular matte surface on both sides with an optical appearance independent from the inspection angle. The TD (transverse direction) shrink is close to zero.

Typical properties

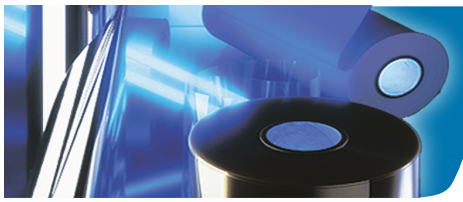
Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	50 75	N/mm ²	160 160	215 220	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	50 75	%	120 145	80 90	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	50 75	%	1.2 1.0	0.1 0.1	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	50 75	%	70 66		ASTM-D 1003-61 method A	-
SURFACE						
Coefficient of friction (static)	50, 75	-	0.35		DIN53375 or ASTM-D 1894	-
Gloss	50 75	-	20 17		DIN 67530	Measuring angle 60°
Roughness Ra value	50 75	nm	500 500		DIN 4768	Cut off 0.25 mm
PHYSICAL/CHEMICAL						
Density	50, 75	g/cm ³	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

Delivery program Hostaphan® STK

Thickness μm	Yield		Roll length <i>m</i>	Roll-diameter <i>mm</i>
	<i>g/m²</i>	<i>m²/kg</i>		
50	70	14.3	6 400	670
75	105	9.6	4 000	650

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



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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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