

Hostaphan® YHST

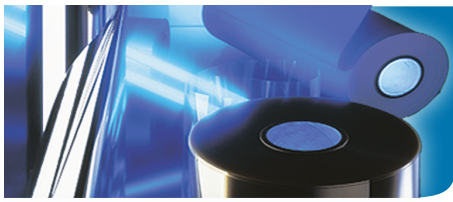
Amber, heat-sealable polyester film for lamination applications

Hostaphan® YHST is an amber biaxially oriented, coextruded film, made of polyethylene terephthalate (PET) which is characterized by outstanding properties like excellent sealability on one side and a high gloss surface on the other side.

Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	15, 20	N/mm ²	230	230	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	15, 20	%	120	120	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	15, 20	N/mm ²	4300	4600	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	15, 20	%	1.6	0.3	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	15, 20	%	89		ASTM-D 1003-61 method A	-
Haze	15, 20	%	3		ASTM-D 1003-61 method A	Enlarged measurement angle
Colour	15, 20	-	L*	94	ISO 7724	-
a*			-3 to -2			
b*			11 to 17			
SURFACE						
Gloss	15, 20	-	170		DIN 67530	Measuring angle 20°
PHYSICAL/CHEMICAL						
Density	15, 20	g/cm ³	1.4		ASTM-D 1505-68 method C	23°C
HEAT SEAL/PEEL PARAMETERS						
Sealing strength	15, 20	N/15 mm	2-3		-	Finseal @130°C, 4 bar, 0.5 sec, T-peel
Seal temperature range	15, 20	°C	> 120		-	-

MD = Machine direction, TD = Transverse direction



Delivery program Hostaphan® YHST

Thickness <i>μm</i>	Yield		Roll length <i>m</i>	Roll-diameter <i>mm</i>
	<i>g/m²</i>	<i>m²/kg</i>		
15	21	48	On request	On request
20	28	36		

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.