



Hostaphan® WHS

White, heat sealable polyester film

Hostaphan® WHS is a biaxially oriented, coextruded film made of polyethylene terephthalate (PET) with one heat sealable surface. It seals to itself and to other types of polyesters, e.g. APET, A/CPET and unsaturated polyesters but not to polyolefins such as PE, PP and PS. The seal is not peelable.

Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	18, 25	N/mm ²	150	205	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	18, 25	%	155	85	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	18, 25	N/mm ²	4000	5100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	18, 25	%	1.1	0.1	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	18 25	%	44 37		ASTM-D 1003-61 method A	-
Brightness (CIE Lab*)	18, 25	-	87		ISO 7727	Reflection
SURFACE						
Coefficient of friction (static)	18, 25	-	0.4		DIN53375 or ASTM-D 1894	-
Gloss	18, 25	-	60		DIN 67530	Measuring angle 20°
PHYSICAL/CHEMICAL						
Density	18, 25	g/cm ³	1.48		ASTM-D 1505-68 method C	23°C
HEAT SEAL/PEEL PARAMETERS						
Sealing strength	18, 25	N/15 mm	2-3		-	Finseal @130°C, 4 bar, 0.5 sec, T-peel
Seal temperature range	18, 25	°C	> 120		-	-

MD = Machine direction, TD = Transverse direction



Delivery program Hostaphan® WHS

Thickness <i>μm</i>	Yield		Roll length <i>m</i>	Roll- diameter <i>mm</i>
	<i>g/m²</i>	<i>m²/kg</i>		
18	26	38	On request	On request
25	36	28		

Core diameter: 152.4 mm (6")

This Hostaphan® film is permitted for food contact according to the current version of EU Regulation 1935/2004 and 10/2011 as well as FDA regulation 21 CFR 177.1630 under the conditions set out in our current Declaration of Compliance. Before using this Hostaphan® film in a food contact article, please request this Declaration of Compliance.

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.