

Hostaphan® WBW

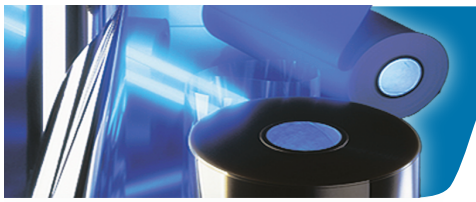
Light blocking polyester film with a black center layer and white-grey cover layers

Hostaphan® WBW is a coextruded high optical density film with two white surfaces with a greyish touch, which is made of polyethylene terephthalate (PET). The film is sulphate-free and based on titaniumdioxide as white pigment.

Typical properties

Property	Thickness µm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	25 40	N/mm ²	180 170	230 240	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	25 40	%	110 180	70 108	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	25 40	N/mm ²	4400 3600	5000 4950	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
F5-value (stress to obtain 5% elongation)	25 40	N/mm ²	100 100	110 95	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	25 40	%	2.0 1.0	1.5 0.75	DIN 40634	150°C, 15 min.
OPTICAL						
Whiteness (Berger)	25 40	-	103 101		ASTM-E 308	In reflection
CIE Lab L* white side	25, 40	-	83		ISO 7724	In reflection
Optical density	25, 40	-	4.9		Macbeth TD 904	Red filters
PHYSICAL/CHEMICAL						
Density	25 40	g/cm ³	1.44 1.48		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction



Delivery program Hostaphan® WBW

Thickness μm	Yield		Roll length <i>m</i>	Roll- diameter <i>mm</i>	Roll length <i>m</i>	Roll- diameter <i>mm</i>
	g/m^2	m^2/kg				
25	36	28	8 000	540	12 000	650
40	59	17	8 000	670	12 000	810

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

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.