

HOSTAPHAN®

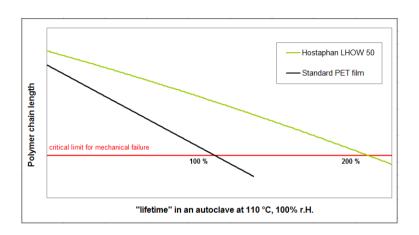
Preliminary data sheet

Hostaphan® LHOW 50

White opaque, hydrolysis stable polyester film with long-term stability

Hostaphan® LHOW has a longer lifetime than standard PET films. This film combines the excellent properties of our Hostaphan PET films with extended lifetime, especially under high temperature and high humidity conditions. The film also contains an UV absorber and thus has a prolonged lifetime under UV radiation as well.

Hostaphan® LHOW is environmental friendly and recyclable. It does not contain the halogens chlorine, bromine and fluorine.



Typical properties

Property	Thickness	Units	Value		Test Method	Test Conditions	
	μm		MD	TD			
MECHANICAL							
Tensile strength	50	N/mm²	160	240	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.	
Elongation at break	50	%	150	90	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.	
Young's Modulus	50	N/mm²	4200	5200	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)	50	N/mm²	100	105	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.	
OPTICAL							
Transparency	50	%	17		ASTM-D 1003-61 method A	400-900 nm	
THERMAL							
Melting point	50	°C	> 250		Differential- thermoanalysis	-	



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Property	Thickness	Units	Value		Test Method	Test Conditions	
	μm		MD	TD			
Shrinkage	50	%	1.2	0.0	DIN 40634	150°C, 15 min.	
PHYSICAL/CHEMICAL							
Density	50	g/cm³	1.47		ASTM-D 1505-68 method C	23°C	

MD = Machine direction, TD = Transverse direction

Delivery program Hostaphan® LHOW

Thickness	Yield		Roll length	Roll-
				diameter
μm	g/m²	m²/kg	m	mm
50	73.5	13.6	On request	On request

Core diameter: 152.4 mm (6")

The properties shown in this technical data sheet only apply to the film itself. We cannot guarantee the properties of an intermediate or final product made from or using the film. Instead, the intermediate or final product must be subjected to standard industrial testing.

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.