



Hostaphan® GF 4600

Glass clear, flame retardant polyester film

Hostaphan® GF 4600 is a flame retardant glass clear, biaxially oriented film made of polyethylene terephthalate (PET), slip treated on one side for improved winding and handling properties.

Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	100	N/mm ²	110	160	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	100	%	200	140	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	100	%	1.4	- 0.2	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	100	%	90		ASTM-D 1003-61 method A	-
Haze	100	%	1.1		ASTM-D 1003-61 method A	Enlarged measurement angle
SURFACE						
Coefficient of friction (static)	100	-	0.4 blocks		DIN53375 or ASTM-D 1894	-
Treated /treated side						
Standard/standard side						
PHYSICAL/CHEMICAL						
Density	100	g/cm ³	1.4		ASTM-D 1505-68 method C	23°C
FLAMMABILITY RATING						
Flame class	100	-	VTM 2		In accordance to UL 94	Internal test
Building material class	100	-	B1		DIN 4102	Internal test

MD = Machine direction, TD = Transverse direction



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Delivery program Hostaphan® GF 4600

Thickness	Yield		Roll length	Roll-diameter
	μm	g/m^2		
100	140	7.1	On request	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.

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