HOSTAPHAN®

Preliminary data sheet

Hostaphan® WUFK

White, flame retardant and UV-stable polyester film

Hostaphan® WUFK is a white UV-resistant biaxially oriented film made of polyethylene terephthalate (PET) with a reduced flammability. The flame spread and total burning time of Hostaphan® WUFK is reduced compared with a standard white PET film like Hostaphan® WDW, WUV or WO. Its burning behaviour is comparable to that of standard unfilled PET film like Hostaphan® RN or RNK. Hostaphan® WUFK is not a real flame retardant film like Hostaphan® RF or RUF.

Typical properties

Property	*Thickness µm*	*Units*	*Value*		*Test Method*	*Test Conditions*
			MD	*TD*		
MECHANICAL						
Elongation at break	30	%	150	90	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young´s Modulus	30	N/mm^2	4500	5100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	30	%	1.2	0.2	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	30	%	28		ASTM-D 1003-61 method A	-
Haze	30	%	100		ASTM-D 1003-61 method A	Enlarged measurement angle
Whiteness (Berger)	30	-	80		ASTM-E 308	In reflection
UV Transmission	30	%	< 1 < 1 < 1 < 2 < 20		Internal method using lambda 3 spectrometer from Perkin Elmer	250 nm 300 nm 360 nm 390 nm 400 nm
SURFACE						
Gloss	30	-	55		DIN 67530	Measuring angle 20°

MD = Machine direction, TD = Transverse direction

Delivery program Hostaphan® WUFK

Thickness	*Yield*		*Roll length*	*Roll-diameter*
µm	*g/m^2*	*m^2/kg*	*m*	*mm*
30	42	24	On request	On request

Core diameter: 152.4 mm (6”)

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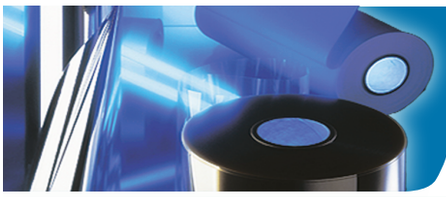

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Disclaimer: Flammability and UV-resistance information given in this data sheet apply to the film only. The burning behaviour and UV-resistance of products made with/from Hostaphan® WUFK have to be tested regarding these properties under conditions relevant for the designated use.

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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