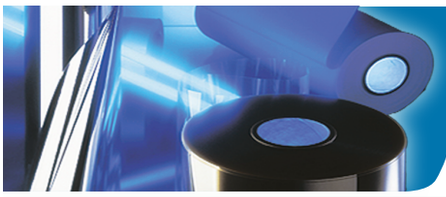

HOSTAPHAN®

Preliminary data sheet

Hostaphan® MUFK

Matte, flame retardant and UV stable polyester film

Hostaphan® MUFK is a matte UV-resistant biaxially oriented film made of polyethylene terephthalate (PET) with a reduced flammability. The flame spread and total burning time of Hostaphan® MUFK is reduced compared with a standard PET film like Hostaphan® MP, MPK, MUV or MUVK, RN or RNK. Hostaphan® MUFK flammability is comparable to RUF but not as strongly reduced as Hostaphan® RF.

Typical properties

Property	*Thickness µm*	*Units*	*Value*		*Test Method*	*Test Conditions*
			MD	*TD*		
MECHANICAL						
Elongation at break	15	%	100	90	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young´s Modulus	15	N/mm^2	4500	5000	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	15	%	1.9	0.5	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	15	%	87 < 20		ASTM-D 1003-61 method A	400-700 nm < 360 nm
Haze	15	%	45		ASTM-D 1003-61 method A	Enlarged measurement angle
UV Transmission	15	%	< 5		Internal method using lambda 3 spectrometer from Perkin Elmer	380 nm
SURFACE						
Gloss	15	-	15		DIN 67530	Measuring angle 20°
FLAMMABILITY TESTING						
Building materials and components	15	-	B2 B1		DIN 4102-1	Edge ignition

MD = Machine direction, TD = Transverse direction

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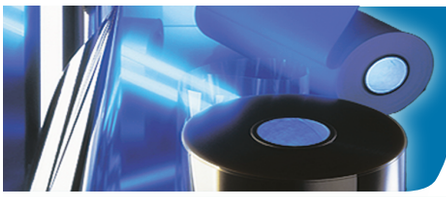

HOSTAPHAN®

Delivery program Hostaphan® MUFK

Thickness	*Yield*		*Roll length*	*Roll-diameter*
µm	*g/m²*	*m²/kg*	*m*	*mm*
15	21	48	On request	On request

Core diameter: 152.4 mm (6")

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® MUFK 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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