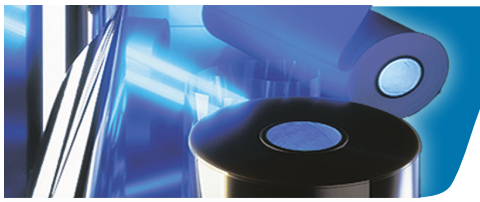

HOSTAPHAN®

Preliminary data sheet

Hostaphan® MUVK

Matte, UV stable polyester film

Hostaphan® MUVK is a matte film made of polyethylene terephthalate (PET) with good UV absorption. It is characterized by a very high resistance against and high absorption of UV radiation. Good bonding strength is achievable with coatings and metal layers. Further excellent properties are its high mechanical strength and dimensional stability.

Typical properties

Property	*Thickness µm*	*Units*	*Value*		*Test Method*	*Test Conditions*
			MD	*TD*		
MECHANICAL						
Tensile strength	15	N/mm^2	180	240	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	15	%	145	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	4200	4900	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	15	%	1.8	0.3	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	15	%	89 < 20		ASTM-D 1003-61 method A	400-700 nm < 360 nm
Haze	15	%	45		ASTM-D 1003-61 method A	Enlarged measurement angle
SURFACE						
Gloss	15	-	55		DIN 67530	Measuring angle 60°
PHYSICAL/CHEMICAL						
Density	15	g/cm^3	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

Applications:

- Protection against UV radiation
- Outdoor use
- Metallization
- Coating
- Printing

e.g. for surface layers, packaging material, protection against damage by UV light

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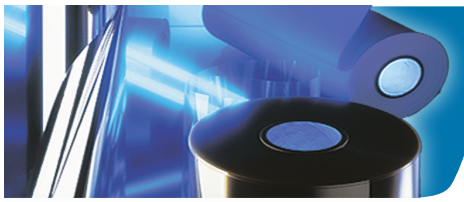

Hostaphan® MUVK can easily be coated or printed with functional layers. The film is optimized for high speed processing. Further details can be given on request.

Delivery program Hostaphan® MUVK

Thickness	*Yield*		*Roll length*	*Roll-diameter*	*Roll length*	*Roll-diameter*
µm	*g/m²*	*m²/kg*	*m*	*mm*	*m*	*mm*
15	21	48	11 200	490	33 600	830

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

Please note that when Hostaphan® MUVK is combined with other materials or articles, the performance of the final product depends on all components and the geometry. Rigorous qualification and safety testing of the final product is always necessary, as unexpected interactions could occur.

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.

Edition 04/20

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