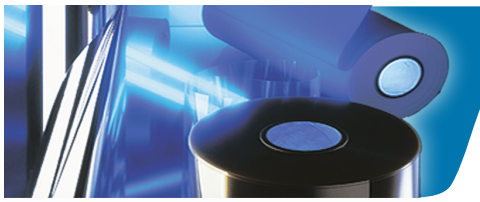

HOSTAPHAN®

Hostaphan® RUVK

Universal transparent, UV stable polyester film

Hostaphan® RUVK is a highly transparent film, made of polyethylene terephthalate (PET) for packaging and label applications 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, dimensional stability and glossy surface.

Typical properties

Property	*Thickness µm*	*Units*	*Value*		*Test Method*	*Test Conditions*
			MD	*TD*		
MECHANICAL						
Tensile strength	19	N/mm^2	240	260	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	19	%	120	120	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young´s Modulus	19	N/mm^2	4500	5000	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)	19	N/mm^2	110	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	19	%	1.4	0.2	DIN 40634	150°C, 15 min.
OPTICAL						
Haze	19	%	2.0		ASTM-D 1003-61 method A	Enlarged measurement angle
Yellowness Index	19	-	1.4		ASTM-E 313-96/ D65	In transmission
PHYSICAL/CHEMICAL						
Density	19	g/cm^3	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

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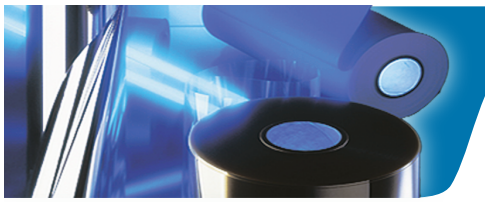


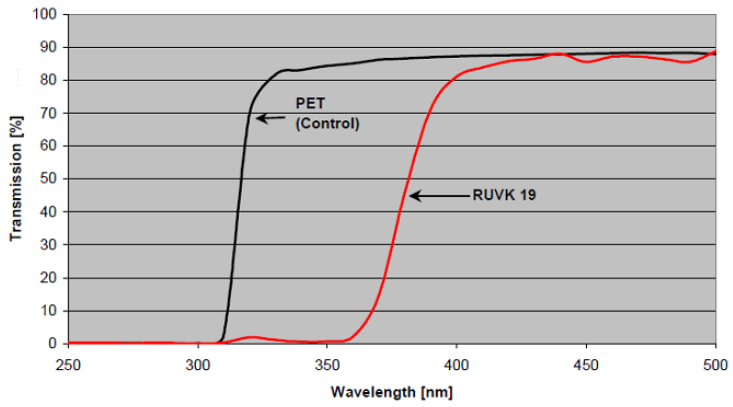
Applications:

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

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

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

UV/VIS Transmissionspectrum



Delivery program Hostaphan® RUVK

Thickness	*Yield*		*Roll length*	*Roll-diameter*
µm	*g/m²*	*m²/kg*	*m*	*mm*
19	27	38	On request	On request

Core diameter: 152.4 mm (6")

Please note that when Hostaphan® RUVK 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.

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