



Hostaphan® RUHS

Transparent, heat-sealable and UV stable polyester film

Hostaphan® RUHS is a transparent, biaxially oriented film made of polyethylene terephthalate (PET) with one heat sealable surface. It is characterized by a very high resistance against and high absorption of UV radiation. It seals against itself (lap and fin seal) and to other polyester grades (e.g. A-PET, C-PET). The seal is not peelable. Hostaphan® RUHS does not seal against polyolefins (PE, PP and PS).

Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	20, 30	N/mm ²	240	220	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	20, 30	%	120	110	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	20, 30	%	1.7	0.3	DIN 40634	150°C, 15 min.
OPTICAL						
Haze	20, 30	%	2.1		ASTM-D 1003-61 method A	Enlarged measurement angle
PHYSICAL/CHEMICAL						
Density	20, 30	g/cm ³	1.4		ASTM-D 1505-68 method C	23°C
HEAT SEAL/PEEL PARAMETERS						
Sealing strength	20, 30	N/15 mm	~ 2-3		-	Finseal @130°C, 4 bar, 0.5 sec, T-peel
Seal temperature	20, 30	°C	> 120		-	-

MD = Machine direction, TD = Transverse direction

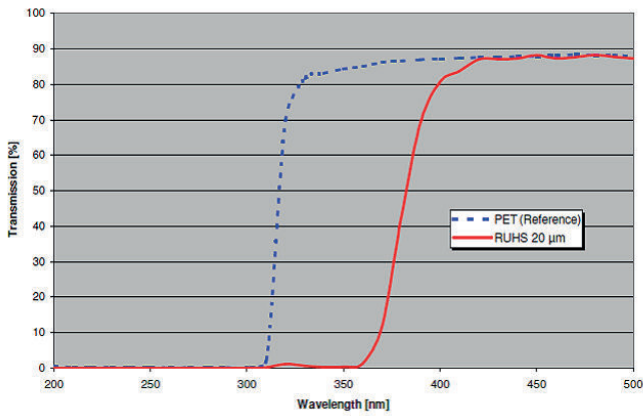
Applications:

- Protection against UV radiation
- Outdoor use
- Packaging
- Overlay for panels and metal sheets

Hostaphan® RUHS 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® RUHS

Thickness <i>µm</i>	Yield		Roll length <i>m</i>	Roll-diameter <i>mm</i>
	<i>g/m²</i>	<i>m²/kg</i>		
20	28	36	On request	On request
30	42	24		

Core diameter: 152.4 mm (6")

Please note that when Hostaphan® RUHS 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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