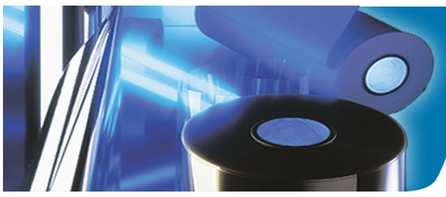

HOSTAPHAN®

Preliminary data sheet

Hostaphan® UVO

White opaque, UV stable polyester film

Hostaphan® UVO is a white opaque biaxial oriented film made of polyethylene terephthalate (PET) for outdoor applications. It is characterized by very high resistance against UV radiation.
The translucence is very low, the opacity and brightness are very high. The surface of this film is brilliant white. Good bonding strength is achievable with several coatings. Further excellent properties are high mechanical strength and dimensional stability.

Typical properties

Property	*Thickness µm*	*Units*	*Value*		*Test Method*	*Test Conditions*
			MD	*TD*		
MECHANICAL						
Tensile strength	250	N/mm^2	150	160	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	250	%	150	110	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	250	%	1.0	1.0	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	250	%	0 7		ASTM-D 1003-61 method A	< 360 nm, UV range 400-800 nm, optical range
Whiteness (Berger)	250	-	100		ASTM-E 308	In reflection
Yellowness Index	250	-	- 3		ASTM-E 313-96/ D65	In reflection
CIE Lab L*	250	-	96		ISO 7724	In reflection
SURFACE						
Gloss	250	-	45		DIN 67530	Measuring angle 60°
PHYSICAL/CHEMICAL						
Density	250	g/cm^3	1.5		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

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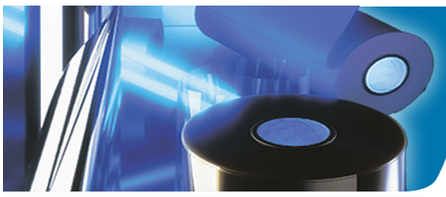

HOSTAPHAN®

Applications:

- Overlay
- Outdoor applications
- Coating
- Printing

Hostaphan® UVO is designed as a top layer for GRP-panels and for lamination of steel sheets. The film is also best suited for all kind of outdoor advertisement.

Hostaphan® UVO is also available with pre-treatment:
Hostaphan® UVO CSRI can easily be coated or printed. It is one side chemically treated for improved adhesion of solvent based inks and coatings. The coating is wounded inside of the roll.
Hostaphan® UVO CSRB is two side chemically treated for improved adhesion of solvent based inks and coatings.

Delivery program Hostaphan® UVO

Thickness	*Yield*		*Roll length*	*Roll-diameter*
µm	*g/m²*	*m²/kg*	*m*	*mm*
250	375	2.7	On request	On request

Other thicknesses on request. Core diameter: 152.4 mm (6")

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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