



Hostaphan® WO

White opaque polyester film

Hostaphan® WO is a white opaque film made of polyethylene terephthalate (PET) and is characterized by its very low transparency and high degree of whiteness. It is therefore particularly suitable as a versatile print medium, offering outstanding high mechanical strength and good dimensional stability.

Typical properties

Property	Thickness µm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	50-125 175-190 250 350	N/mm ²	170 150 150 140	190 180 170 140	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	50-250 350	%	150 150	110 120	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
F5-value (stress to obtain 5% elongation)	50 75-100 125-350	N/mm ²	85 90 95	95 100 105	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	50-250 350	%	1.0 0.8	1.0 0.8	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	50 75 100-350	%	20 13 9		ASTM-D 1003-61 method A	-
Yellowness Index	50-350	-	-9		ASTM E313-96/ D65	
Whiteness (Berger)	50-350	-	110		ASTM-E 308	Reflection mode
CIE Lab L*	50-350	-	93		ISO 7724	Reflection mode
SURFACE						
Gloss	50-350	-	45		DIN 67530	Measuring angle 60°
Roughness Ra value	50-350	nm	50		DIN 4768	Cut off 0.25 mm
PHYSICAL/CHEMICAL						
Density	50-125 175-350	g/cm ³	1.4 1.5		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction



HOSTAPHAN®

Applications:

- Labels
- Pre-paid cards
- Imaging, e.g. ink jet film
- High-quality alternative to paper, e.g. for blister packaging

Product advantages:

- Suitable for all normal printing processes (offset, flexographic, rotogravure and book printing).
- Brilliant white surface for precise print reproduction
- Outstanding heat resistance

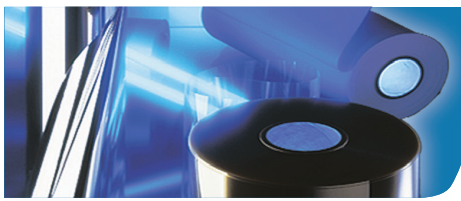
Nomenclature:

Hostaphan® WO is available chemically treated on both sides to assist adhesion to water or solvent based printing and coating systems.

Plain: Hostaphan® WO D027

Treated on both sides: Hostaphan® WO D027 B (aqueous inks)

Hostaphan® WO D054 B/CSRB (solvent based inks)



Delivery program Hostaphan® WO

Thickness <i>μm</i>	Yield		Roll length <i>m</i>	Roll- diameter <i>mm</i>	Roll length <i>m</i>	Roll- diameter <i>mm</i>
	<i>g/m²</i>	<i>m²/kg</i>				
50	71	14.2	3 200	490	6 400	670
75	107	9.4	2 000	480	4 000	650
100	143	7.0	1 600	490	3 200	670
125	179	5.6	1 280	490	2 560	670
175	261	3.8	800	465	1 600	630
190	285	3.5	800	480	1 600	655
250	373	2.7	600	480	1 200	650
350	539	1.9	440	485	880	660

Other roll lengths 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.