

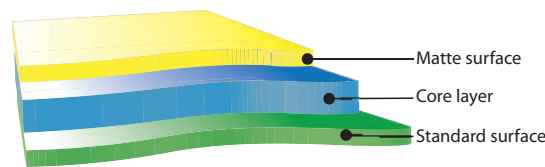


Hostaphan® MPK

One side matte polyester film with high contact transparency

Hostaphan® MPK is a biaxially oriented, coextruded 3-layer film made of polyethylene terephthalate (PET), which is characterized by a matte and a smooth surface. This special structure offers a matte but well defined and high contrast printing image.

Layer structure of Hostaphan® MPK



Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	12	N/mm ²	210	240	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	12	%	130	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	12	N/mm ²	3900	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)	12	N/mm ²	100	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	12	%	1.6	0.4	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	12	%	92		ASTM-D 1003-61 method A	-
Haze	12	%	38		ASTM-D 1003-61 method A	Enlarged measurement angle
SURFACE						
Coefficient of friction (static)	12	-	0.4		DIN53375 or ASTM-D 1894	-
Gloss	12	-	42 110		DIN 67530	Measuring angle 60°
Matte surface						
standard surface						



Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
PHYSICAL/CHEMICAL						
Density	12	g/cm^3	1.4		ASTM-D 1505-68 method C	23°C
CONVERTING PARAMETERS						
Sealing behaviour of laminate e.g. MPK/print/PE	12	$^{\circ}\text{C}$	130-160		Recommended sealing temperature range	

MD = Machine direction, TD = Transverse direction

Applications:

The one-side matte MPK-film is especially suited for reverse printed packaging applications and labels.

Delivery program Hostaphan® MPK

Thickness μm	Yield		Roll length m	Roll- diameter mm	Roll length m	Roll- diameter mm
	g/m^2	m^2/kg				
12	17	60	24 000	630	48 000	900

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

This Hostaphan® film is permitted for food contact according to the current version of EU Regulation 1935/2004 and 10/2011 as well as FDA regulation 21 CFR 177.1630 under the conditions set out in our current Declaration of Compliance. Before using this Hostaphan® film in a food contact article, please request this Declaration of Compliance.

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.