



Hostaphan® MNK

Matte polyester film

Hostaphan® MNK is a co-extruded, biaxially oriented matte film made of polyethylene terephthalate (PET) with smooth matte surfaces. The matte finish is achieved by addition of an inorganic filler to the base polymer.

Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	15 19-36	N/mm ²	160 190	250 250	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	15-36	%	140	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	15-36	N/mm ²	4000	5100	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)	15-36	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	15-23 36	%	1.3 1.1	0.1 0.1	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	15-23 36	%	87 83		ASTM-D 1003-61 method A	-
SURFACE						
Coefficient of friction (static)	15-36	-	0.4		DIN53375 or ASTM-D 1894	-
Gloss	15-23 36	-	45 35		DIN 67530	Measuring angle 60°
Roughness Ra value	15-36	nm	270		DIN 4768	Cut off 0.25 mm
PHYSICAL/CHEMICAL						
Density	15-36	g/cm ³	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction



Applications:

- Backing film for hot stamping films
- Backing film for metallizing
- Releasefilm for production of matte surfaces on films made of thermosetting resin
- Backing film for laminates with matte surfaces

Delivery program Hostaphan® MNK

Thickness μm	Yield		Roll length <i>m</i>	Roll- diameter <i>mm</i>	Roll length <i>m</i>	Roll- diameter <i>mm</i>
	g/m^2	m^2/kg				
15	21	48	8 400	440	16 800	600
19	27	38	9 200	500	18 400	700
23	32	31	9 600	550	19 200	800
36	50	20	4 000	470	8 000	650

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.