



Glossy, transparent polyester film

Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	50-75 100-125 190-350	N/mm ²	185 180 160	225 210 200	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	50-75 100-125 190-250 350	%	200 190 210 215	145 135 145 160	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	50-125 190-250 350	N/mm ²	4200 3900 3600	4800 4800 4300	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% elonga- tion)	50-350	N/mm ²	105	105	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	50-190 250-350	%	1.0 1.0	0.3 1.0	DIN 40634	150°C, 15 min.
OPTICAL						
Haze	50 75 100 125 190 250 350	%	9 12 15 18 24 27 36		ASTM-D 1003-61 method A	Enlarged measurement angle
SURFACE						
Coefficient of friction (static)	50-350	-	0.4		DIN53375 or ASTM-D 1894	-
PHYSICAL/CHEMICAL						
Density	50-350	g/cm3	1.4		ASTM-D 1505-68 method C	23°C
Conductivity of aqueous extract	50-350	μS/cm	2		DIN 40634 or VDE 0345	1kHz
Water absorption (compared to dry state)	50-350	%	0.5		ASTM-D 570	4 days in water at 23°C
Frigen extract	190	%	0.05		DIN 8944	Cold extraction

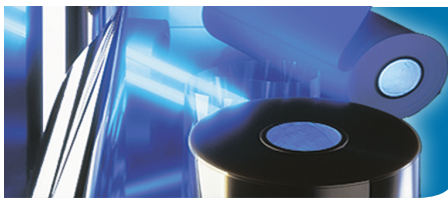




MD = Machine direction, TD = Transverse direction



Kasteler Str. 45 • 65203 Wiesbaden/Deutschland • Tel.: +49 611 96203 • Fax.: +49 611 9629357



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The properties shown in this technical data sheet only apply to the film itself. We cannot guarantee the properties of an intermediate or final product made from or using the film. Instead, the intermediate or final product must be subjected to standard industrial testing.

This Hostaphan® film is permitted for food contact according to the current version of EC Directive 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. It neither guarantees 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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