

## Hostaphan® BMO

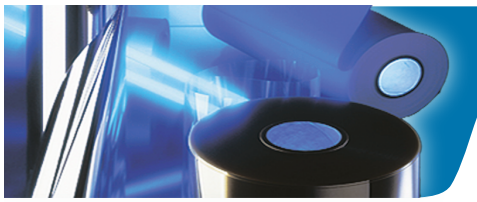
### Black, light blocking polyester film

Hostaphan® BMO is a black, biaxially oriented film made of polyethylene terephthalate (PET) with a medium opacity. The film is more transparent than Hostaphan® BHO, (OD>4) but less transparent than most standard black film types. Hostaphan® BMO is more glossy than Hostaphan® BHO.

### Typical properties

Property	Thickness $\mu\text{m}$	Units	Value		Test Method	Test Conditions
			MD	TD		
<b>MECHANICAL</b>						
Tensile strength	12 25	N/mm <sup>2</sup>	220 220	260 270	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	12 25	%	110 130	70 90	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	12 25	N/mm <sup>2</sup>	4500 4500	5200 5200	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% elon- gation)	12 25	N/mm <sup>2</sup>	110 110	115 110	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
<b>THERMAL</b>						
Shrinkage	12 25	%	1.5 1.5	0.5 0.3	DIN 40634	150°C, 15 min.
<b>OPTICAL</b>						
Transparency	12 25	%	< 6 < 0.5		ASTM-D 1003-61 method A	-
Optical density	12 25	-	> 1.0 > 2.5		Internal method Similar to JIS K7605	-
<b>SURFACE</b>						
Gloss	12, 25	-	> 85		DIN 67530	Measuring angle 20°
<b>PHYSICAL/CHEMICAL</b>						
Density	12, 25	g/cm <sup>3</sup>	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction



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## Delivery program Hostaphan® BMO

Thickness $\mu\text{m}$	Yield		Roll length <i>m</i>	Roll-diameter <i>mm</i>
	$\text{g}/\text{m}^2$	$\text{m}^2/\text{kg}$		
12	17	60	On request	On request
25	35	29		

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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