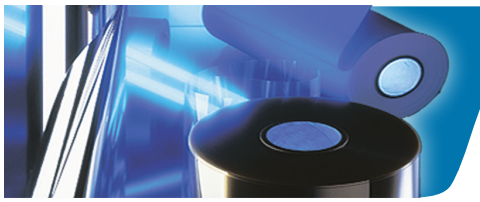

HOSTAPHAN®

Preliminary data sheet

Hostaphan® BMOD

Black, light blocking polyester film for food contact

Hostaphan® BMOD 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® BMOD is more glossy than Hostaphan® BHO.

Typical properties

Property	*Thickness µm*	*Units*	*Value*		*Test Method*	*Test Conditions*
			MD	*TD*		
MECHANICAL						
Tensile strength	12	N/mm^2	220	260	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	12	%	110	70	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	4500	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% elongation)	12	N/mm^2	110	115	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	12	%	1.5	0.5	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	12	%	< 6		ASTM-D 1003-61 method A	-
Optical density	12	-	> 1.0		Internal method Similar to JIS K7605	-
SURFACE						
Gloss	12	-	> 85		DIN 67530	Measuring angle 20°
PHYSICAL/CHEMICAL						
Density	12	g/cm^3	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

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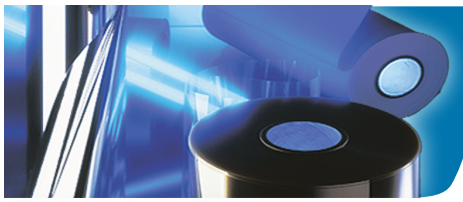

HOSTAPHAN®

Delivery program Hostaphan® BMOD

Thickness	*Yield*		*Roll length*	*Roll-diameter*
µm	*g/m²*	*m²/kg*	*m*	*mm*
12	17	60	On request	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.

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