

Hostaphan® BMO

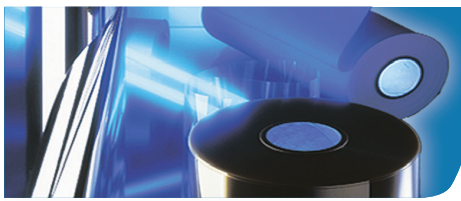
Black, light blocking polyester film

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 μm | Units | Value | | Test Method | Test Conditions |
|---|-----------------|-------------------|----------------|--------------|---|--|
| | | | MD | TD | | |
| MECHANICAL | | | | | | |
| Tensile strength | 12 25 | N/mm ² | 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 ² | 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% elongation) | 12 25 | N/mm ² | 110 110 | 115 110 | ISO 527-1 and ISO 527-3 Sample type 2 | Test speed 100 %/min.; 23 °C, 50 % r.h. |
| THERMAL | | | | | | |
| Shrinkage | 12 25 | % | 1.5 1.5 | 0.5 0.3 | DIN 40634 | 150°C, 15 min. |
| OPTICAL | | | | | | |
| 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 | - |
| SURFACE | | | | | | |
| Gloss | 12, 25 | - | > 85 | | DIN 67530 | Measuring angle 20° |
| PHYSICAL/CHEMICAL | | | | | | |
| Density | 12, 25 | g/cm ³ | 1.4 | | ASTM-D 1505-68 method C | 23°C |

MD = Machine direction, TD = Transverse direction



HOSTAPHAN®

Delivery program Hostaphan® BMO

| Thickness <i>μm</i> | Yield | | Roll length <i>m</i> | Roll-diameter <i>mm</i> |
|------------------------|------------------------|-------------------------|-------------------------|----------------------------|
| | <i>g/m²</i> | <i>m²/kg</i> | | |
| 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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