## HOSTAPHAN ${ }^{\text {® }}$

## Hostaphan ${ }^{\circledR}$ XMTK

## Extra matte film

Hostaphan ${ }^{\circledR}$ XMTK is a biaxially oriented coextruded, extra matte film, made of polyethylene terephthalate (PET). It has a very matte surface on both sides with an optical appearance independent from the inspection angle. The TD (transverse direction) shrink is close to zero.

Typical properties

| Property | Thickness $\mu m$ | Units | Value |  | Test Method | Test Conditions |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | MD | TD |  |  |
| MECHANICAL |  |  |  |  |  |  |
| Tensile strength | 75 | $\mathrm{N} / \mathrm{mm}^{2}$ | 160 | 220 | ISO 527-1 and ISO 527-3 <br> Sample type 2 | Test speed 100 \%/min.; $23^{\circ} \mathrm{C}, 50 \%$ r.h. |
| Elongation at break | 75 | \% | 150 | 90 | ISO 527-1 and ISO 527-3 <br> Sample type 2 | Test speed $100 \% /$ min.; $23^{\circ} \mathrm{C}, 50 \%$ r.h. |
| THERMAL |  |  |  |  |  |  |
| Shrinkage | 75 | \% | 1.2 | 0.1 | DIN 40634 | $150^{\circ} \mathrm{C}, 15 \mathrm{~min}$. |
| OPTICAL |  |  |  |  |  |  |
| Transparency | 75 | \% |  |  | ASTM-D 1003-61 method A | - |
| SURFACE |  |  |  |  |  |  |
| Coefficient of friction (static) | 75 | - |  |  | DIN53375 or ASTM-D 1894 | - |
| Gloss | 75 | - |  |  | DIN 67530 | Measuring angle $60^{\circ}$ |
| Roughness Ra value | 75 | nm |  |  | DIN 4768 | Cut off 0.25 mm |
| PHYSICAL/CHEMICAL |  |  |  |  |  |  |
| Density | 75 | $\mathrm{g} / \mathrm{cm}^{3}$ |  |  | ASTM-D 1505-68 method C | $23^{\circ} \mathrm{C}$ |

MD = Machine direction, TD = Transverse direction

## Delivery program Hostaphan ${ }^{\circledR}$ XMTK

| Thickness | Yield |  | Roll length | Roll- <br> diameter |
| :---: | :---: | :---: | :---: | :---: |
| $\mu m$ | $g / \mathrm{m}^{2}$ | $\mathrm{~m}^{2} / \mathrm{kg}$ | $m$ | $m m$ |
| 75 | 103 | 9.7 | 4000 | 650 |

Other roll lengths on request. 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
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