

HOSTAPHAN®

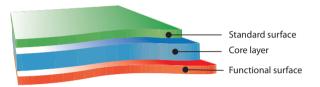
Hostaphan® RDO

Preliminary data sheet

Transparent polyester film with one very smooth surface

Hostaphan[®] RDO is a biaxially oriented, coextruded film made of polyethylene terephthalate (PET) with two different surfaces. The functional surface is extremely smooth with low roughness, while the 2nd surface provides the roughness required for good handling and winding.

Layer structure of Hostaphan® RDO



Typical properties

| Property | Thickness | Units | Value | | Test Method | Test Conditions | | |
|---|-----------|-------------------|-------|------|---|--|--|--|
| | μm | | MD | TD | | | | |
| MECHANICAL | | | | | | | | |
| Tensile strength | 75 | N/mm ² | 185 | 260 | ISO 527-1 and ISO 527-3 Sample type 2 | Test speed 100 %/min.; 23 °C, 50 % r.h. | | |
| Elongation at break | 75 | % | 210 | 115 | ISO 527-1 and ISO 527-3 Sample type 2 | Test speed 100 %/min.; 23 °C, 50 % r.h. | | |
| Young's Modulus | 75 | N/mm² | 4100 | 5500 | 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) | 75 | N/mm² | 110 | 110 | ISO 527-1 and ISO 527-3 Sample type 2 | Test speed 100 %/min.; 23 °C, 50 % r.h. | | |
| THERMAL | THERMAL | | | | | | | |
| Shrinkage | 75 | % | 1.0 | 0.3 | DIN 40634 | 150°C, 15 min. | | |
| OPTICAL | | | | | | | | |
| Haze | 75 | % | | 3 | ASTM-D 1003-61 method A | Enlarged measurement angle | | |



HOSTAPHAN®

| Property | erty Thickness Units Value | | ue | Test Method | Test Conditions | |
|--|----------------------------|-------|----------|-------------|----------------------------|---------------------|
| | μm | | MD | TD | | |
| SURFACE | | | | | | |
| Coefficient of friction (static) | 75 | - | | | DIN53375 or ASTM-D 1894 | - |
| Standard surface/ Standard surface | | | 0.3 | | | |
| Standard surface/ Functional surface | | | 0. | 3 | | |
| Functional surface/ Functional surface | | | blo | cks | | |
| Gloss | 75 | - | 200 | | DIN 67530 | Measuring angle 20° |
| Mean Roughness Standard surface Functional surface | 75 | nm | 30 15 | | DIN 4768 | Cut off 0.25 mm |
| PHYSICAL/CHEMICAL | | | | | | |
| Density | 75 | g/cm³ | 1. | 4 | ASTM-D 1505-68 method C | 23°C |

MD = Machine direction, TD = Transverse direction

Delivery program Hostaphan® RDO

| Thickness | Yield | | Yield Roll length | |
|-----------|-------|-------|-------------------|----------|
| | | | | diameter |
| μm | g/m² | m²/kg | т | mm |
| 75 | 105 | 9.5 | 4 000 | 650 |

Other roll lengths on request. Core diameter: 152.4 mm (6")

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. 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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