

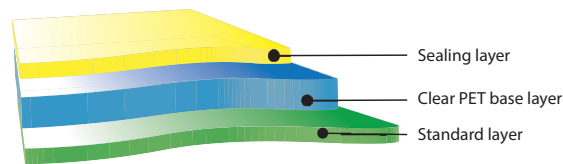


Hostaphan® RPSB

The strong peel film

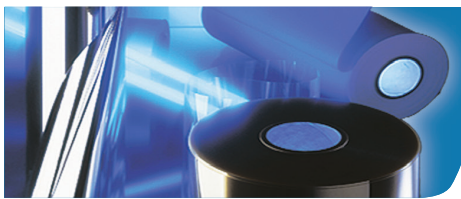
Hostaphan® RPSB is a transparent biaxially oriented film made of polyethylene terephthalate (PET) with an amorphous co-polyester heat seal layer. It is characterised by a peelable seal to polar substrates, e.g. impact modified CPET, CPET-MONO, A/CPET COEX, APET and PVC. Laminates with RPSB can be used in retort processes.

Layer structure of Hostaphan® RPSB



Typical properties

| Property | Thickness μm | Units | Value | | Test Method | Test Conditions |
|--|----------------------------|-------------------|-------|------|--|--|
| | | | MD | TD | | |
| MECHANICAL | | | | | | |
| Tensile strength | 25 | N/mm ² | 200 | 260 | ISO 527-1 and ISO 527-3 Sample type 2 | Test speed 100 %/min.; 23 °C, 50 % r.h. |
| Elongation at break | 25 | % | 150 | 105 | ISO 527-1 and ISO 527-3 Sample type 2 | Test speed 100 %/min.; 23 °C, 50 % r.h. |
| Young's Modulus | 25 | N/mm ² | 4000 | 4800 | ISO 527-1 and ISO 527-3 Sample type 2 | Test speed 1 %/min.; 23 °C, 50 % r.h. |
| Tear propagation resistance | 25 | m/N | 140 | | ASTM-D 1922 | - |
| Puncture resistance | 25 | N | 9.2 | | DIN 14477 | - |
| THERMAL | | | | | | |
| Maximum temperature in conventional oven/microwave | 25 | °C | 220 | | - | 30 min. |
| Min. temperature | 25 | °C | - 40 | | - | - |
| Shrinkage | 25 | % | 1.5 | 0.1 | DIN 40634 | 150°C, 15 min. |
| OPTICAL | | | | | | |
| Haze | 25 | % | 13 | | ASTM-D 1003-61 method A | Enlarged measurement angle |



| Property | Thickness μm | Units | Value | | Test Method | Test Conditions |
|---------------------------|----------------------------|--|---------|----|----------------------------|-----------------|
| | | | MD | TD | | |
| PHYSICAL/CHEMICAL | | | | | | |
| Density | 25 | g/cm^3 | 1.4 | | ASTM-D 1505-68 method C | 23°C |
| BARRIER | | | | | | |
| Oxygen | 25 | $\text{cm}^3/\text{m}^2 \times \text{d} \times \text{bar}$ | 54 | | DIN 53380 | 23°C, 50% r.h. |
| Water vapour | 25 | $\text{g}/\text{m}^2 \times \text{d}$ | 7.3 | | DIN 53122 | 23°C, 85% r.h. |
| HEAT SEAL/PEEL PARAMETERS | | | | | | |
| Seal temperature range | 25 | °C | 155-200 | | - | - |
| Peel strength | 25 | N/15 mm | 3-8* | | - | - |

MD = Machine direction, TD = Transverse direction

* Depending on substrate, sealing temperature, pressure and dwell time.

Note: The values indicated are typical data of Hostaphan® RPSB 25. For specification please contact us.

Applications:

- Peelable lidding for packaging frozen and chilled foods in dual ovenable trays
- Peelable lidding of fresh produce or fruit in polyester based containers
- Peelable closures for PET bottles
- Peelable lidding for retort processes in special CPET trays

Delivery program Hostaphan® RPSB

| Thickness μm | Yield | | Roll length <i>m</i> | Roll- diameter <i>mm</i> |
|----------------------------|-----------------------|------------------------|-------------------------|--------------------------------|
| | g/m^2 | m^2/kg | | |
| 25 | 35 | 29 | On request | On request |

Core diameter: 152.4 mm (6") or 76 mm (3")

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.