

M029-50 Hostaphan® Foil RN 75

Hostaphan is a foil made of polyethylene terephthalate (PET) with excellent physical properties. It is biaxially stretched and thermally fixed.

Hostaphan has the following properties:

- Tenacious and tear resistant
- Impact and abrasion resistant
- Dimensionally stable
- Heat and cold resistant
- Printable, easy to metallize and to laminate
- Aroma-, gas- and water vapor proof
- Resistant to all common solvents, oils and fats, as well as many inorganic agents.
- Resistant to fungi and bacteria
- Free from plasticizers, odor and taste
- Physiologically harmless in terms of the German Food and Utensils Law
- Outstanding electric isolation properties.

Storage Conditions:

The polyester foil Hostaphan is widely insensitive to climate effects.

We recommend to keeping the foil stored in the protective packaging until has to be used. Store in a dry and dust free place, not above 40°C. Avoid humidity or the influence of direct sunlight. The foil should be unpacked 24 hours before use and placing it in the same environmental conditions as those where the foil will be applied.

Information about the storage time of Hostaphan 15 is not available. We recommend of using up the foil within one year.

Technical Data:

| Properties | Value |
|--|--|
| Thickness | 75 µm |
| E-Modul | Lengthwise: 4000 N/mm ² Transverse: 5200 N/mm ² |
| Tension at 5 % extension | Lengthwise: 105 N/mm ² Transverse: 105 N/mm ² |
| Tensile strength | Lengthwise: 210 N/mm ² Transverse: 260 N/mm ² |
| Ultimate elongation | Lengthwise: 150 % Transverse: 110 % |
| Shrinkage 150°C, 15 minutes | Lengthwise: 1.0 % Transverse: 0.3 % |
| Dielectric constant | 3.3 (50 Hz, 23°C) |
| Dielectric loss factor | 0.002 (50 Hz, 23°C) |
| Dielectric spannung | 16 kV(50 Hz, 23°C) |
| Surface resistance | > 5 x 10 ¹⁴ Ω (23°C, 25% r.F.) |
| Turbidity | 15 % |
| Coefficient of friction (static) | 0.4 |
| Density | 1.4 g/cm ³ (23°C) |
| Conductivity of the aqueous extraction | 2 µS/cm (1 kHz) |
| Water absorption | 0.5 % (4 days in water at 23°C) |