

Technical Datasheet

TYPE: PR 107 4D

Calendered, rigid PVC film. The formulation of our product is in compliance with Regulation (EU) No 10/2011. The rest monomer content regarding Vinylchlorid is max. 1,0 ppm. The film complies with the guideline 94/62 EC ("Packaging and Packaging waste") and is suitable for direct contact with foodstuffs.*

* except for surface 504x, which is technical quality

Characteristics Transparent rigid PVC film, high impact modified. Suitable for offset UV-, digital-, screen-, flexo- and gravure printing. An anti-glare effect and scratch resistance can both be achieved with an embossed surface.

| Surface finish | gls/gls (2020) | mtt/gls (5020) | mtt/cmt (5040) |
|------------------------------------|--|----------------|----------------|
| Thickness range (mm) | 0,100 - 0,600 | 0,150 - 0,400 | 0,100 - 0,400 |
| Embossings ** | Fine | Grob 1 | Grob 2 |
| Roughness (Rz µm) | 3 - 6 | 10 - 14 | 20 - 30 |
| ** further embossings upon request | | | |
| Colours | Standard: transparent clear 0015 Colours according to the colour swatch | | |

| Properties | Value | Unit | Test method |
|-------------------------------------|--------------------------------|-------------------------|---|
| Thickness tolerances | | | In accordance to DIN ISO 4593 (95% of all measurements) |
| < 0,200 mm | ±10 | % | |
| 0,200 – 0,400 mm | ± 7 | | |
| > 0,400 mm | ± 5 | | |
| Density | 1,32 ± 0,02 (without pigments) | g/cm³ | DIN EN ISO 1183-1:2004 |
| Tensile impact strength | > 650 (surface gls/gls) | kJ/m² | DIN EN ISO 8256 |
| Tensile strength | > 44 | N/mm² | DIN EN ISO 527-1-3 |
| Vicat softening point | 77 ± 2 | °C | DIN EN ISO 306 procedure VST/B50 as pressed sheet |
| MD expansion due to heat *** | (gls/gls) | % | In accordance to DIN 53377 (140°C/10min) |
| < 0,200 mm | max. - 7 | | |
| 0,200 – 0,400 mm | max. - 5 | | |
| > 0,400 mm | max. - 4 | | |
| *** +3% in case of embossed films | | | |
| Surface tension | gls/gls (2020) ≥ 34 both sides | mN/m (dyn/cm) | In accordance to DIN ISO 8296:2008-03 measured with inks (pens) |

Processing advice:

To avoid static, the film should be processed at room temperature of 20 to 23°C and a relative humidity between 50 - 60 %.

Storage conditions:

We recommend storing in original packaging at room temperature below 30°C not directly exposed to sun light and humidity. After transport and storage in cold temperature, acclimatisation of 1 hour per reel diameter or stacking height is necessary.