

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<br>(2020) | mtt/gls<br>(5020) | mtt/cmt<br>(5040) |
|----------------|-------------------|-------------------|-------------------|
|----------------|-------------------|-------------------|-------------------|

|                         |                  |                  |                  |
|-------------------------|------------------|------------------|------------------|
| Thickness range<br>(mm) | 0,100 -<br>0,600 | 0,150 -<br>0,600 | 0,100 -<br>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<br>DIN ISO 4593<br>(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/cm <sup>3</sup> | DIN EN ISO 1183-1:2004  |
| Tensile impact strength           | > 650 (surface gls/gls)        | kJ/m <sup>2</sup> | DIN EN ISO 8256   |
| Tensile strength                  | > 44                           | N/mm <sup>2</sup> | DIN EN ISO 527-1-3  |
| Vicat softening point             | 77 ± 2                         | °C                | DIN EN ISO 306 procedure<br>VST/B50 as pressed sheet                  |
| MD expansion due to<br>heat ***   | (gls/gls)                      | %                 | In accordance to<br>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 | nN/m<br>(dyn/cm)  | In accordance to<br>DIN ISO 8296:2008-03<br>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.