



### Type: PR 107 4D

Calendered, rigid PVC film. The film complies with the guideline 2002/72 EC ("Clearance Certificate for items used in contact with foodstuffs") as well as with 94/62 EC ("Packaging and Packaging waste").

**Characteristics** Transparent rigid PVC film, high impact modification. Special grade for offset UV printing. Also suitable for all other common printing methods. 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 - 0,600	0,100 - 0,300

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
<b>Thickness tolerances</b> < 0,200 mm 0,200 – 0,400 mm > 0,400 mm	± 10 ± 7 ± 5	%	DIN 53370 (95% of all measurements)
<b>Density</b>	1,32 ± 0,01 (without pigments)	g/cm <sup>3</sup>	DIN 53479
<b>Tensile impact strength</b>	> 650 (surface gls/gls)	kJ/m <sup>2</sup>	DIN EN ISO 8256
<b>Tensile strength</b>	> 44	N/mm <sup>2</sup>	DIN EN ISO 527-1-3
<b>Vicat softening point</b>	77 ± 2	°C	DIN EN ISO 306 procedure VST/B50 as pressed sheet
<b>MD expansion due to heat **</b> < 0,200 0,200 – 0,400 mm > 0,400 mm	(gls/gls) max.- 7 max.- 5 max.- 4	%	In accordance to DIN 53377 (140°C/10 min)
<i>** + 3% in case of embossed films</i>			
<b>Surface tension</b>	gls/gls (2020) ≥ 34 both sides	mN/m (dynes/cm)	In accordance to DIN 53364 measured with inks (pens)

**Processing advice:**

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

**Storage condition**

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 cm reel diameter or stacking height is necessary.