

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 5040, which is technical quality

**Characteristics** Transparent rigid PVC film, high impact modification. 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 - 0,600	0,100 - 0,600

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	%	In accordance to DIN 53370 (95% of all measurements)
<b>Density</b>	1,32 ± 0,02 (without pigments)	g/cm <sup>3</sup>	DIN EN ISO 1183-1:2004
<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)
*** + 3% in case of embossed films			
<b>Surface tension</b>	gls/gls (2020 ≥ 34 both sides	mN/m (dynes/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 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.