

Calendered, rigid PVC film. The film complies with the EU – Regulation 10/2011* according to article 16 and 22 and amendments (“Clearance Certificate for items used in contact with foodstuffs”) as well as with 94/62 EC (“Packaging and Packaging waste”).

* Product placed on the market based on the requirements set out in Directive 2002/72EC are still valid until 5 years after the adoption of the regulation.

Characteristics Opaque rigid PVC film, impact modified. Suitable for offset UV-, digital-, screen-, flexo- and gravure printing.

Surface finish	gls/gls (2020)	gls/hgl (202E)	gls/smt (2030)	smt/cmt (3040)	mtt/gls (5020)	mtt/smt (5030)	mtt/cmt (5040)	mtt/mtt (505R)
Thickness range (mm)	0,060 - 0,650	0,150 - 0,650	0,100 - 0,300	0,150 - 0,450	0,100 - 0,500	0,100 - 0,500	0,100 - 0,500	0,120 - 0,650
Embossings **	Fine	Promatt	Grob 1	Grob 2				
Roughness (Rz µm)	3 - 6	6 - 9	10 -14	20 - 30				
Colours	Standard: white 1522, white 1305 (extra opaque) Colours according to the colour swatch.							

** further embossings upon request

Properties	Value		Unit	Test method
Thickness tolerances < 0,200 mm 0,200 – 0,400 mm > 0,400 mm	± 10 ± 7 ± 5		%	In accordance to DIN 53370 (95% of all measurements)
Density	1,34 ± 0,01 (without pigments)		g/cm ³	DIN 53479
Tensile impact strength	> 600 (surface gls/gls)		kJ/m ²	DIN EN ISO 8256
Tensile strength	> 42		N/mm ²	DIN EN ISO 527-1-3
Vicat softening point	74 ± 2		°C	DIN EN ISO 306 procedure VST/B50 as pressed sheet
MD expansion due to heat *** < 0,100 < 0,200 mm 0,200 – 0,400 mm > 0,400 mm	(gls/gls) max.- 15 max.-7 max.- 5 max.- 4	(mtt/mtt) n.a. max.-12 max.- 8 max.- 7	%	In accordance to DIN 53377 (140°C/10 min)
Surface tension	gls/gls (2020) mtt/mtt (505R) mtt/mtt (505R)	≥ 34 both sides ≥ 38 roll-sides ≥ 36 air-side	mN/m (dynes/cm)	In accordance to DIN 53364 measured with inks (pens)

*** + 3% in case of embossed films

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.