

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.

**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.

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

Properties	Value	Unit	Test method
<b>Thickness tolerances</b>			In accordance to DIN ISO 4593 (95% of all measurements)
< 0,200 mm	±10	%	
0,200 – 0,400 mm	± 7		
> 0,400 mm	± 5		
<b>Density</b>	1,32 ± 0,02 (without pigments)	<b>g/cm<sup>3</sup></b>	DIN EN ISO 1183-1:2004
<b>Tensile impact strength</b>	> 650 (surface gls/gls)	<b>kJ/m<sup>2</sup></b>	DIN EN ISO 8256
<b>Tensile strength</b>	> 44	<b>N/mm<sup>2</sup></b>	DIN EN ISO 527-1-3
<b>Vicat softening point</b>	77 ± 2	<b>°C</b>	DIN EN ISO 306 procedure VST/B50 as pressed sheet
<b>MD expansion due to heat **</b>	(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			
<b>Surface tension</b>	gls/gls (2020) ≥ 34 both sides	<b>mN/m (dyn/cm)</b>	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.