

Type: PR 105 4D

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 2002/72/EC are still valid until 5 years after the adoption of the regulation.

Characteristics Transparent rigid PVC film, 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 (2020)	mtt/gls (5020)	mtt/smt (5030)	mtt/cmt (5040)
Thickness range (mm)	0,080 - 0,400	0,100 - 0,300	0,100 - 0,300	0,100 - 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 < 0,200 mm 0,200 – 0,400 mm > 0,400 mm	± 10 ± 7	%	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	> 46	N/mm ²	DIN EN ISO 527-1-3
Vicat softening point	77 ± 2	°C	DIN EN ISO 306 procedure VST/B50 as pressed sheet
MD expansion due to heat *** < 0,200 < 0,100 mm 0,200 – 0,400 mm	(gls/gls) max.- 7 / 15 max.- 5	%	In accordance to DIN 53377 (140°C/10 min)

*** + 3% in case of embossed films

Surface tension	gls/gls (2020) ≥ 34 both sides	mN/m (dynes/cm)	In accordance to DIN 53364 measured with inks (pens)
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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 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 cm reel diameter or stacking height is necessary.