

Rigid PVC-film: **Pentaprint PR M280/90**

Colour: **51/8800 – transparent bluish**
51/9400 – transparent bluish
51/9500 – transparent bluish
71/9400 – transparent colourless

Surface: **696K2 – coarse embossed / glossy**
696K6 – coarse embossed / silky matt
896K6 – coarse embossed / fine matt

Regarding the heavy metal limits these calendered rigid PVC films meet the requirements of the EC directive 94/62/EC and their supplements 99/42/EC, 99/177/EC, 2004/12/EC and 2005/20/EC.

Specific properties:

- high impact strength
- suitable for screen printing and UV-offset
- embossed on one side, scratch proofed surface, suitable for mouse-pads
- good chemical resistance

Properties	Standard	Value	Unit	Remarks
Thickness	DIN 53370 ISO 4593	150 – 800	µm	tolerances: ± 10 % (≤ 200 µm) ± 7 % (201 ... 400 µm) ± 5 % (> 400 µm)
Density	DIN EN ISO 1183-2	1,32 ± 0,02	g/m ²	incl. pigmentation
Tensile strength - depends on thickness	DIN EN ISO 527-3	≥ 45	N/mm ²	test speed V (50 mm/min); measured lengthwise
Tensile impact strength	DIN EN ISO 8256	≥ 550	kJ/m ²	measured lengthwise
VICAT-softening point	DIN EN ISO 306	74 ± 2	°C	measured in oil, method B/50
Shrinkage - longitudinal - transverse	DIN 53377	max. – 10 max. ± 2	%	storage in heated cupboard at 140 °C/10 min
max. Temperature load without remaining shrinkage		+ 55	°C	
Surface tension	DIN ISO 8296	≥ 34	mN/m	measured with test inks
Surface reflection 696K2 696K6 896K6		top side underside ----- < 10 > 80 < 10 30 - 50 < 10 10 - 30	GE	measure angle 85°
Surface roughness – RZ	DIN 4768	30 - 40	µm	embossed side, measured with Perthometer M4P Lt 2,5 = measuring length 15 mm
Cold break temperature	DIN 53372	- 15	°C	drop hammer method

All details in this data sheet are based on our present technical knowledge.
 They neither guarantee certain characteristics of products nor their suitability for a particular application.