

Technical Data Sheet



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Rigid PVC-film: **Pentaprint PR M180/09**

Colour: **05/9200 - white opaque**
07/8100 - white opaque
09/8100 - white opaque
09/9200 - white opaque

Surface: **482D8 - fine matt / fine matt**
corona treated on both sides

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.

The films are in conformity with the German Consumer Articles Ordinance of 23.12.1997 and the EC-Directive 2002/72/EC and its amendments 2004/1/EC, 2004/19/EC and 2005/79/EC. The rigid PVC-films are also corresponding to the directives of the German BfR, recommendations II, IX and LII. Residual VC-monomer content < 0,5 ppm (in conformity with the EU-directive 78/142/EEC, annex I).

Specific properties:

- medium impact strength
- suitable for screen printing and UV-offset
- good chemical resistance

Properties	Standard	Value	Unit	Remarks
Thickness	DIN 53370 ISO 4593	140 – 800	mic	tolerances: ± 10 % (≤ 200 mic) ± 7 % (> 200...400 mic) ± 5 % (> 400 mic)
Density	DIN EN ISO 1183-2	1,52 ± 0,02 1,50 ± 0,02 1,46 ± 0,02 1,44 ± 0,02	g/m ²	for colour 09/9200 (140 ... 300 mic) 09/8100 (301 ... 400 mic) 07/8100 (401 ... 600 mic) 05/9200 (601 ... 800 mic)
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	≥ 450	kJ/m ²	measured lengthwise
VICAT-softening point	DIN EN ISO 306	72 ± 2	°C	measured in oil, method B/50
Max. temperature load without remaining change of size		+ 55	°C	
Surface tension	DIN ISO 8296	≥ 42	mN/m	measured with test inks
Surface reflexion		10 – 35	GE	measuring angle 85 °C
Surface roughness – RZ	DIN 4768	6 ± 2	mic	bothsided, 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.