

RigidPVC -film: **PENTAPRINTPRM180/09**
 Colour: **09/9401 -09/9407 –whiteopaque**
 Surface: **482_8 -finematt/finematt**

This calendered rigid PVC films are produced without plasticizers. Regarding the heavy metal limits they meet the requirements of the EC directive 94/62/EC and their supplements 99/42/EC and 99/177/EC.

The films are in conformity with the German Consumer Articles Ordinance of 23.12.1997 and the EC Directive 2002/72/EC (replaces 90/128/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 offset UV
- 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	1,50 ± 0,02 1,47 ± 0,02 1,44 ± 0,02 1,42 ± 0,02 1,41 ± 0,02 1,40 ± 0,02 1,40 ± 0,02	g/cm ³	for colour 09/9401 (120 – 200 µm) for colour 09/9402 (> 200 – 300 µm) for colour 09/9403 (> 300 – 400 µm) for colour 09/9404 (> 400 – 500 µm) for colour 09/9405 (> 500 – 600 µm) for colour 09/9406 (> 600 – 700 µm) for colour 09/9407 (> 700 – 800 µm)
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	≥ 36	mN/m	measured with test sticks
Surface reflexion		10 – 30	GE	measuring angle 85°C
Surface roughness -RZ	DIN 4768	6 ± 2	mic	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.