## **Technical Data Sheet**



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Rigid PVC-film: Pentaprint PR M180/23

Colour: 09/9401 ... 09/9407 – white opaque

Surface: 120\_1 - glossy/glossy

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 as well as 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: - high impact strength

- suitable for screenprinting and UV-offset

- good chemical resistance

Properties	Standard	Value	Unit	Remarks
Thickness	DIN 53370	80 – 800	mic	tolerances: ± 10 % ( ≤ 200 mic)
	ISO 4593			± 7 % (> 200400 mic)
				± 5 % (> 400800 mic)
Density	DIN EN ISO	1,49 ± 0,02	g/cm³	for colour 09/9401 ( 80 200 mic)
	1183-2	1,46 ± 0,02		for colour 09/9402 (201 300 mic)
		$1,43 \pm 0,02$		for colour 09/9403 (301 400 mic)
		1,41 ± 0,02		for colour 09/9404 (401 500 mic)
		$1,40 \pm 0,02$		for colour 09/9405 (501 600 mic)
		1,39 ± 0,02		for colour 09/9406 (601 700 mic)
Tanada atus astle	DINIENTICO	1,39 ± 0,02	N1/ 2	for colour 09/9407 (701 800 mic)
Tensile strength - depends on thickness	DIN EN ISO 527-3	<u>&gt;</u> 45	N/mm²	test speed V (50 mm/min); measured
Tensile impact strength	DIN EN ISO	> 550	kJ/m²	lengthwise measured lengthwise
Tensile impact strength	8256	<u>&gt;</u> 550	KJ/III-	Theasured lengthwise
VICAT-softening point	DIN EN ISO	74 ± 2	℃	measured in oil, method B/50
Treatt containing point	306		Ü	meded of mon, medica 2, et
Shrinkage	DIN 53377		%	storage in heated cupboard,
_				at 140 °C/10 min
- longitudinal		max 7		( <u>≤</u> 200 mic)
		max 5		( > 200 mic)
- transverse		max. ± 2		( 80 800 mic)
Max. temperature load		+ 55	℃	,
without remaining change				
of size				
Cold break temperature	DIN EN	- 25	လူ	drop hammer method
	1876-2			
Surface tension	DIN ISO	<u>&gt;</u> 34	mN/m	measured with test inks
	8296			
Surface reflexion		> 70	GE	measuring angle 20°

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.