

Product name: Pentaprint® PR M180/23-71/9400-100_0 PR-M180/23-71/9400-100_0

 Description:
 high impact strength suitable for screen printing and UV offset

 Quality segment:
 PR
 - PRINT APPLICATION

 Type:
 M180/23
 - PVC Polyvinylchloride

 Colour:
 71/9400
 - Grey glassclear

 Surface:
 100_0
 - glossy/glossy

Properties	Standard	Unit	Values
Thickness	DIN 53370 / ISO 4593	μm	80 800
Tolerance of Thickness	DIN 53370 / ISO 4593	%	-10 10 200 μm -7 7 201 400 μm
			-5 5 401 800 µm
Density	DIN EN ISO 1183-2	g/cm ³	1,31 1,35
Tensile strength, min.	DIN EN ISO 527	MPa	45
	test speed V		
	50 mm/min,		
	measured lengthwise		
	(depends on thickness)		
Impact strength, min.	DIN EN ISO 8256	kJ/m²	550
	measured lengthwise		
VICAT-softening point	DIN EN ISO 306	°C	72 76
	measured in oil, method A/50		
Dimensional stability	DIN 53377	%	-10,0 0,0 0 100 μm
-longitudinal	storage in heated cupboard,		-7,0 0,0 101 200 μm
	at 140 °C/10 min		-5,0 0,0 201 400 μm
			-4,0 0,0 401 800 µm
Dimensional stability	DIN 53377	%	-2,0 2,0 80 800 μm
-transverse	storage in heated cupboard,		
	at 140 °C/10 min		
Max. processing temperature		°C	55
	no remaining change		
	of size		
Cold Break Temperature	DIN EN 1876-2	°C	-20
	drop-hammer method		
Surface tension, min.	DIN ISO 8296	mN/m	34
	measured with test inks		
Surface reflexion, 20°	DIN 67530		100 130
	measuring angle 20°		

Regulatory:

The product corresponds to:

- respective regulations and directives for food contact

- Packaging requirements for heavy metals

- Supplementary confirmations to the above-named points can be issued on request.

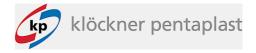
Storage conditions: - Ideal storage conditions between 10 - 30°C (50 - 86°F) - Ideal RH 40 - 70%

- Should not be stored in direct sunlight and avoid major thermal

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Technical Data Sheet



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fluctuation

- Store in original packaging
- Before working up the films should be conditioned a minimum of 24
- hours room temperature (15 30°C)
- recommended use of the material within one year of production date

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