

Technical Data Sheet

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

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

Quality segment: Print film
Type: PVC
Color: 1-RG-Grey, crystal clear-000
Surface: Glossy / Glossy-00
Additional treatment: No additional treatment-00

Properties	Standard	Unit	Values
Thickness base film	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 test speed V 50 mm/min, measured lengthwise, depending on thickness	MPa	45
Impact strength, min.	DIN EN ISO 8256 measured lengthwise	kJ/m ²	550
VICAT-softening point	DIN EN ISO 306 method B/50	°C	72 ... 76
Dimensional stability -longitudinal	DIN 53377 storage in oven at 140°C/10min	%	-10,0 ... 0,0 100 µm -7,0 ... 0,0 101 ... 200 µm -5,0 ... 0,0 201 ... 400 µm -4,0 ... 0,0 401 ... 800 µm
Dimensional stability -transverse	DIN 53377 storage in oven at 140°C/10min	%	-2,0 ... 2,0 80 ... 800 µm
Max. temperature load	without remaining change of sizes	°C	55
Surface tension, min.	DIN ISO 8296 measured with test inks	mN/m	32 ... 36
Surface reflexion, 20°	DIN 67530; ASTM D-523 measuring angle 20°	GE	100 ... 130
Light transmission		%	85 ... 87
Haze (transparent)	ASTM-D-1003	%	0,0 ... 2,0

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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 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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