

Technical Data Sheet

Product name: *Pentaprint® PVC PR-M253/05-01/798M-674C2-ZZZ*

Description: high impact strength
suitable for screen printing, UV offset and inkjet-UV
UV stabilized special quality for luminous boxes with sufficient ventilating

Quality segment: Print film
Type: PVC
Color: 1-White, translucent-036
Surface: Embossed/Glossy 1S Corona-00
Additional treatment: No additional treatment-00

Properties	Standard	Unit	Standard values
Thickness base film	DIN 53370 / ISO 4593	µm	220 ... 259
Tolerance of Thickness	DIN 53370 / ISO 4593	%	-7,0 ... 7,0 220 ... 259 µm
Density	DIN EN ISO 1183-2	g/cm ³	1,30 ... 1,34
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	600
VICAT-softening point	DIN EN ISO 306 method B/50	°C	74 ... 78
Dimensional stability -longitudinal	DIN 53377 storage in oven at 140°C/10min	%	-5,0 ... 0,0 220 ... 259 µm
Dimensional stability -transverse	DIN 53377 storage in oven at 140°C/10min	%	-2,0 ... 2,0 220 ... 259 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, 85°	DIN 67530; ASTM D-523 measuring angle 85° embossed side, upper surface	GE	20 ... 30
Surface reflexion, 20°	DIN 67530; ASTM D-523 measuring angle 20° glossy side, back surface	GE	60 ... 100

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Properties	Standard	Unit	Standard values
Surface roughness - Rz	DIN 4768 measured with MahrSurf M300, Lt 2,5	µm	6 ... 12
Tenability of outdoor use	measured in sun-tester	Jahr	0,5 ... 2,0

Regulatory:

The product corresponds to:

- 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 six months of production date

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