

Technical Data Sheet

Product name: *Pentaprint® PVC PR-M253/05-01/798M-674_2-DY2*

Description: old Nomenclature: Pentaprint® PR M253/05-01/798M-674K2
high impact strength
suitable for screen printing and UV offset
UV stabilized special quality for luminous boxes with sufficient ventilating

Quality segment: Print film
Type: PVC
Color: 1-White, translucent-036
Surface: Embossed/Glossy-00
Additional treatment: Dynox coating, 2Side-00

Properties	Standard	Unit	Values
Thickness	DIN 53370 / ISO 4593	µm	220 ... 259
Tolerance of Thickness	DIN 53370 / ISO 4593	%	-7 ... 7 220 ... 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	550
VICAT-softening point	DIN EN ISO 306 measured in oil, method B/50	°C	74 ... 78
Dimensional stability -longitudinal	DIN 53377 storage in heated cupboard at 140°C/10min	%	-5,0 ... 0,0 220 ... 259 µm
Dimensional stability -transverse	DIN 53377 storage in heated cupboard at 140°C/10min	%	-2,0 ... 2,0 220 ... 259 µm
Max. processing temperature	no remaining change of size	°C	55
Cold Break Temperature	DIN EN 1876-2 drop-hammer method	°C	-25
Surface tension, min.	DIN ISO 8296 measured with test inks	mN/m	45
Surface reflexion, 85°	DIN 67530; ASTM D-523 measuring angle 85° embossed side	GE	20 ... 30
Surface reflexion, 20°	DIN 67530; ASTM D-523	GE	70

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Revision: 1/18.02.2014

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Properties	Standard	Unit	Values
	measuring angle 20°		
Surface roughness # RZ	DIN 4768 measured with Perthometer M4P Lt 2,5 = measuring length 15 m m	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 one year of production date

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