

Product name: *Pentaprint® PVC PR-M419/58-05/9450-493D0-ZZZ*

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

Quality segment: Print film
Type: PVC
Color: 1-White, opaque-158
Surface: FinMat/FinMat,2Side Corona-00
Additional treatment: No additional treatment-00

Properties	Standard	Unit	Standard values
Thickness base film	DIN 53370 / ISO 4593	µm	200 ... 500
Tolerance of Thickness	DIN 53370 / ISO 4593	%	-10,0 ... 10,0 200 µm -7,0 ... 7,0 201 ... 400 µm -5,0 ... 5,0 401 ... 500 µm
Density	DIN EN ISO 1183-2	g/cm ³	1,37 ... 1,45
Tensile strength, min.	DIN EN ISO 527 test speed V 50 mm/min, measured lengthwise, depending on thickness	MPa	38
Impact strength, min.	DIN EN ISO 8256 measured lengthwise	kJ/m ²	450
VICAT-softening point	DIN EN ISO 306 method B/50	°C	67 ... 71
Dimensional stability -longitudinal	DIN 53377 storage in oven at 140°C/10min	%	-8,0 ... 0,0 200 ... 500 µm
Dimensional stability -transverse	DIN 53377 storage in oven at 140°C/10min	%	-2,0 ... 2,0 200 ... 500 µm
Max. temperature load	without remaining change of sizes	°C	55
Surface tension, min.	DIN ISO 8296 measured with test inks	mN/m	42
Surface reflexion, 85°	DIN 67530; ASTM D-523 measuring angle 85° back surface	GE	10 ... 35
Surface reflexion, 85°	DIN 67530; ASTM D-523 measuring angle 85° upper surface	GE	0 ... 15
Surface roughness - Rz	DIN 4768	µm	5 ... 10

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Technical Data Sheet

Properties	Standard	Unit	Standard values
	measured with MahrSurf M300, Lt 2,5		
Colour variance, delta E*, max.	DIN 53236 / DIN 5033	DE*	0,0 ... 2,0
Transmission	internal kp-standard "MTB_Q_TMQC_036"	L*	0 ... 12 200 ... 220 µm 0 ... 9 221 ... 240 µm 0 ... 7 241 ... 270 µm 0 ... 5 271 ... 500 µm

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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