

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

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

**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	Values
Thickness	DIN 53370 / ISO 4593	µm	200 ... 500
Tolerance of Thickness	DIN 53370 / ISO 4593	%	-10 ... 10      200 µm -7 ... 7      201 ... 400 µm -5 ... 5      401 ... 500 µm
Density	DIN EN ISO 1183-2	g/cm³	1 42 ... 1 50
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/m²	400
VICAT-softening point	DIN EN ISO 306 measured in oil method B/50	°C	73 ... 77
Dimensional stability longitudinal	DIN 53377 storage in heated cupboard at 140°C/10min	%	-8,0 ... 0,0      200 ... 500 µm
Dimensional stability transverse	DIN 53377 storage in heated cupboard at 140°C/10min	%	-2,0 ... 2,0      200 ... 500 µm
Max. temperature load	without remaining change of sizes	°C	55
Cold Break Temperature	DIN EN 1876-2 drop-hammer method	°C	-5
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

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<b>Properties</b>	<b>Standard</b>	<b>Unit</b>	<b>Values</b>	
Surface reflexion, 85°	DIN 67530; ASTM D-523 measuring angle 85° upper surface	GE	0 ... 15	
Surface roughness # RZ	DIN 4768 measured with Perthometer M4P Lt 2,5 = measuring length 15 m m	µm	3 ... 9	
Colour variance	DIN 53236 / DIN 5033 Measured with Minolta CM600 Spectral Photometer	DE*	0 ... 2	
Transmission, X-Rite	DIN 53236 / DIN 5033 measured with X-Rite, Color i7	L*	0 ... 12	200 ... 220 µm
			0 ... 10	221 ... 240 µm
			0 ... 8	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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