Technical Data Sheet

klöckner pentaplast

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Product name: *PVC RIGID PENTAPRINT ALB MAT*

Description: old Nomenclature: Pentaprint® PR M180/09-04/8400-482D8
medium impact strength
suitable für screen printing and UV offset

Quality segment: Print film
Type: PVC
Color: 1-White, opaque-023
Surface: FiMat/FiMat;2Side Corona-00
Additional treatment: No additional treatment-00

Properties	Standard	Unit	Values
Thickness	DIN 53370 / ISO 4593	µm	201 ... 900
Tolerance of Thickness	DIN 53370 / ISO 4593	%	-10 ... 10 200 µm -7 ... 7 201 ... 400 µm -5 ... 5 401 ... 900 µm
Density	DIN EN ISO 1183-2	g/cm³	1,39 ... 1,43
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/m²	450
VICAT-softening point	DIN EN ISO 306 measured in oil, method B/50	ºC	70 ... 74
Dimensional stability -longitudinal	DIN 53377 storage in heated cupboard at 140°C/10min	%	-10,0 ... 0,0 140 ... 200 µm -7,0 ... 0,0 201 ... 400 µm -5,0 ... 0,0 401 ... 900 µm
Dimensional stability -transverse	DIN 53377 storage in heated cupboard at 140°C/10min	%	-2,0 ... 2,0 101 ... 900 µm
Max. processing temperature	no remaining change of size	ºC	55
Cold Break Temperature	DIN EN 1876-2 drop-hammer method	ºC	-15
Surface tension, min.	DIN ISO 8296	mN/m	42
Surface reflexion, 85°	DIN 67530	GE	10 ... 35
Surface roughness # RZ	DIN 4768	µm	4 ... 8

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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℃ (50 - 86℉)
- 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℃)
- recommended use of the material within one year of production date