



Technical Data Sheet

Product name: *Cadco Rigid PVC Film Mark Resist Gloss*

Description: Clear Mark Resist Gloss rigid PVC film suitable for screen printing, UV offset and inkjet-UV. Scratch proved embossed surface on one side, suitable for mouse pads.

Properties	Standard	Unit	Standard values
Thickness base film	DIN 53370 / ISO 4593	µm	150 ... 800
Tolerance of Thickness	DIN 53370 / ISO 4593	%	-10,0 ... 10,0 150 ... 200 µm -7,0 ... 7,0 201 ... 400 µm -5,0 ... 5,0 401 ... 800 µm
Density	DIN EN ISO 1183-2	g/cm ³	1,31 ... 1,35
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	500
VICAT-softening point	DIN EN ISO 306 method B/50	°C	72 ... 76
Dimensional stability -longitudinal	DIN 53377 storage in oven at 140°C/10min	%	-10,0 ... 0,0 150 ... 200 µm -7,0 ... 0,0 201 ... 400 µm 5,0 ... 0,0 401 ... 800 µm
Dimensional stability -transverse	DIN 53377 storage in oven at 140°C/10min	%	-2,0 ... 2,0 150 ... 800 µm
Max. temperature load	without remaining change of si zes	°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	0 ... 10
Surface reflexion, 20°	DIN 67530; ASTM D-523 measuring angle 20° glossy side, back surface	GE	30 ... 100 301 ... 350 µm 35 ... 100 351 ... 400 µm 40 ... 100 401 ... 450 µm 50 ... 100 451 ... 500 µm
Surface roughness - Rz	DIN 4768 measured with MahrSurf M300, Lt 2,5	µm	30 ... 40

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 packagin
- 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