MACscreen

mactac

MACal® 6952

Technical Data Sheet

PRODUCT DESCRIPTION

MACal 6952 consists of an ultra destructible cast vinyl film that is coated on one side with an acrylic based pressure-sensitive adhesive. The adhesive is protected with a clay coated kraft liner.

Face material :
Gloss white cast vinyl – thickness 0.050 mm. Cadmium free.

Adhesive :
Permanent acrylic based pressure-sensitive.

Liner :
120 gsm clay coated kraft paper.

TYPICAL USES

MACal 6952 is an excellent material for use in the production of speciality markings where tamper resistance or complete destruction upon removal is desired e.g. safety and instruction labels.

EXPECTED DURABILITY

Unprinted film

The expected vertical outdoor durability of the unprocessed product in central Europe (Zone 1) is up to: 3 years.

This information is based on successful real life experience and artificial aging according to ISO 4892-2.

Printed film

Satisfactory performance for up to 3 years can be obtained with some silk screen inks. However assurance of ink performance in all cases should be first obtained from the ink supplier.

In order to retain the tamper resistant properties of MACal 6952, full ink coverage and/or the use of inks containing high boiling point solvent should be avoided.

Note : Exposure to severe temperatures, ultraviolet light or conditions in southern European countries, as well as in tropical, sub-tropical or desert regions, will cause a more rapid deterioration. This also applies to polluted areas, high altitude and south-facing exposure.

SHELF LIFE

2 years when stored at 15 to 25° C and ± 50 % relative humidity.

PHYSICAL PROPERTIES (Average values)

Thickness mm (Film + adhesive) ASTM D-645
0.090

Face Material Data, 20 °C MIL 43719A
Tensile strength : MD : 1.0kN/m
CD : 1.0kN/m
% Elongation at break : MD : < 5
CD : < 5

Adhesive Data, 20° C ASTM D-903
Peel adhesion 180° on stainless steel (kN/m)
- 30 min. residence : adhesion exceeds internal film strength.
- 1 week residence : resulting in instantaneous destruction.

Dimensional stability
% Shrinkage (48 hours at 70°C) : < 0.3mm

Temperature ranges :
Application : + 10°C to + 40°C
End-use : - 40°C to + 90°C
N.B. : for lower temperatures, please consult us.

Flammability ISO 3795
Sample mounted on aluminium : self-extinguishing.

Solvent and chemical resistance
Resistant to most oils and greases, fuel, aliphatic solvents, weak acids, salts and alkalis.

Petrol resistance
Good resistance to petrol (low and high octane).

IMPORTANT NOTICE

All MACtac products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects.
Published information concerning MACtac products is based upon research which the Company believes to be reliable although such information does not constitute a warranty.
Because of the variety of uses of MACtac products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.
All specifications are subject to change without prior notice.