MACmark

MACmask 28.180

Technical Data Sheet

PRODUCT DESCRIPTION

Soft calendered vinyl film that is coated on one side with a good adhesion acrylic adhesive.

CONSTRUCTION

Face material :
White matt vinyl film, 80 µm thick, cadmium free.

Adhesive :
Acrylic removable adhesive.

Liner :
White highly stable kraft paper, 135 gsm.

TYPICAL USES

Masking film for stencilling onto carbodies.

SHELF LIFE

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

PHYSICAL PROPERTIES (Average values)

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

Face Material Data, 23°C DIN 53455
Tensile strength : ≥ 2.3 kN/m
Elongation at break : ≥ 100 %

Adhesive Data, 23°C
Peel adhesion 180° on stainless steel (N/25 mm)
- 20 min. application : ± 2.5 FTM 1
- 1 week application : ± 4.5

Dimensional stability FTM 14
Shrinkage (48 hours at 70°C) : < 0.5 %
(25 cm x 25 cm, sample mounted on aluminium)

Temperature ranges :
Application : + 10°C to + 40°C
End-use : + 10°C to + 70°C
N.B. : for lower temperatures, please consult us.

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

PROCESSING

- Computer cutting
Clean, quick, trouble-free cutting with most plotters. Adjustment of the cutting depth is important : if the cut is too deep this could result in the paper splitting and coming away with the adhesive when the vinyl is transferred to Application Tape.

- Weeding
Easy and fast.

- Application
The transfer of the cut vinyl onto the Application Tape should always be performed by removing the liner from the pressure-sensitive material (i.e. with the PVC face downwards onto the working surface) and not by lifting off the Application Tape.
Application of MACmask 28.180 is made easier with a high tack Application Tape such as MACtransfer 200.

- Painting
The applicator will take care about the paint dilution : solvents could affect the vinyl.

- Masking film removability
Must be removed up to 4 hours maximum following application on the substrate.
N.B : The removability of MACmask 28.180 can be very difficult on certain substrates such as : acrylic glass, polystyrene, nitro-cellulose painted surfaces and soft PVC.

IMPORTANT NOTICE

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