

MACmask 28.180

Technical Data Sheet

PRODUCT DESCRIPTION

White soft calendered vinyl film coated with a removable cohesive 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 (Typical values)

Thickness (mm) (Film + adhesive) ISO 534
0.100

Face Material Data, 23°C DIN 53455-5
Tensile strength : > 30 N/15mm
Elongation at break : ≥ 150 %

Adhesive Data, 23°C FTM 1
Peel adhesion 180° on stainless steel (N/25 mm)
- 20 min. residence: 1.5
- 24 hours residence: 2.5
- 1 week residence: 3.5

Dimensional stability FTM 14
Shrinkage (48 hours at 70°C): < 0.1 %
(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

Application of MACmask 28.180 is made easier with a MACtransfer tape.

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.

- 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.

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