

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, 90 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) ASTM D-645
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. application : 1.0 - 3.0
- 1 week application : 2.5 - 4.5

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.

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.