

MACfilm F 2023

GENERAL INTRODUCTION

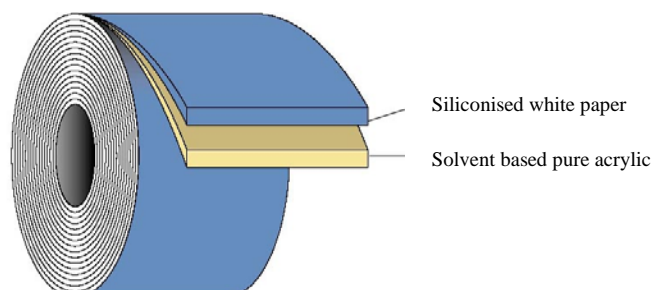
MACfilm

- is a transfer or unsupported pressure sensitive adhesive system for assembling purposes. The adhesives used are acrylic polymer or synthetic rubber based formulations
- is protected by one or two silicone coated release liners.

PRODUCT DESCRIPTION

MACfilm F 2023 is a free film of solvent based pure acrylic adhesive. It offers high tack and peel, and very high shear properties.

MACfilm F 2023 is produced in self-wound format on a calendered paper liner.



TYPICAL APPLICATION

For applications where High temperature resistance is required : e.g. signs, nameplates, holograms, heavy duty foam coating.

CHARACTERISTICS

Adhesion with Substrates

Metal / Aluminium	High	Textile/Cotton	Medium
Glass / Ceramics	High	Rubber/EPDM	Medium
Painted Surface	High	Acrylic/PET	Medium
Wood/Board/Paper	Medium	Polystyrene	Medium
Soft PVC	Medium	PP/PE/PS	Medium
Rigid PVC	Medium	Smooth substrate	High
PC/ABS	High	Rough substrate	Medium

RESISTANCE

Resistant to water, detergents, alcohol, aliphatic and some aromatic hydrocarbons. High resistance to plasticizers and high outdoor resistance. Not recommended for use in contact with chlorinated solvents, ketones or esters. For further technical advice, please consult with MACtac.

SHELF LIFE

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

ADDITIONAL INFORMATION

Skin contact approval: The adhesive of F 2023 has been lab tested and its Primary Irritation Index (P.I.I) was calculated to be 0.1, « negligible irritating » in accordance with the criteria of ECETOC. (= European Center for Ecotoxicology and Toxicology Of Chemicals).

IMDS – automotive registration : F 2023 has been introduced in the IMDS (International Material Data System)

ADHESIVE DATA

	TYPICAL VALUES (*)	TEST METHOD
Quick Tack (N/25mm) on stainless steel	17	FTM 9
Peel 180°- (N/25mm) on stainless steel		
- after 20 minutes	16	FTM 1
- after 24 hours	17	FTM 1
Shear on stainless steel 1kg-25 mm x 25mm (hours)	500	FTM 8

CARRIER DATA

CARRIER FREE		
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TEMPERATURE RESISTANCE

Minimum application temperature	+ 10°C	
End-use temperature range	- 40°C to + 180°C	
Short term resistance	+ 200°C	S.A.F.T. 500grs

For temperatures outside those quoted above, please consult with MACtac.

RELEASE LINER

Silicone paper white of 90 gr/sqm		ISO 536
Thickness (Adhesive)	60 μ	ISO 534

(*) Values given are typical and are not necessarily for use in specifications.

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 are based upon research which the Company believes to be reliable but such information do not constitute a warranty. Because of the variety of possible uses for MACtac products and the continuing development of new uses, the purchaser should carefully consider the fitness and performance of the product for each intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product or for incidental or consequential damages. All specifications are subject to change without prior notice.

