

MACfoil AF 545

GENERAL INTRODUCTION

PRODUCT DESCRIPTION

TYPICAL APPLICATION

CHARACTERISTICS

RESISTANCE

SHELF LIFE

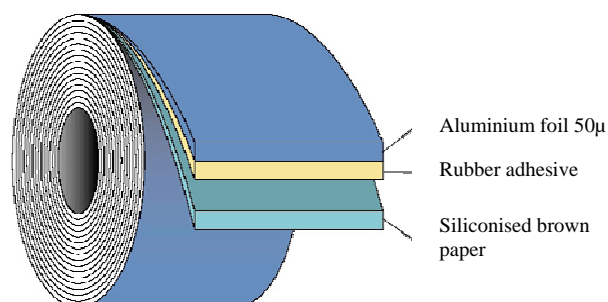
ADDITIONAL INFORMATION

MACfoil

- is a range of self-adhesive tapes which are used as sealing material in the insulation field as well as for other industrial applications. The face materials used are aluminium or synthetic foils. The adhesives are acrylic polymer or synthetic rubber based formulations.

MACfoil AF 545

- Consists of a dead soft aluminium foil coated with a rubber based adhesive.
- It offers high tack and peel properties with high shear resistance.
- Protected by a paper liner.



Insulation : to make water/air tight - in ventilation, air conditioning systems, heat and light reflectors, joining and sealing applications, electromagnetic shielding of appliances...

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

Resistant to water, detergents and alcohol. Low resistance to plasticizers. Low outdoor resistance. Not recommended for use in contact with aliphatic or aromatic hydrocarbons. For further technical advice, please consult with MACTac.

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

Skin contact approval: The adhesive of AF 545 has been lab tested and its Primary Irritation Index (P.I.I) was calculated to be 0.6, « slightly irritating » in accordance with the criteria of ECETOC. (= European Center for Ecotoxicology and Toxicology Of Chemicals)

IMDS – automotive registration : AF 545 has been introduced in the IMDS (International Material Data System).

ADHESIVE DATA

	TYPICAL VALUES (*)	TEST METHOD
Quick Tack (N/25mm) on stainless steel	14	FTM 9
Peel 180° - (N/25mm) on stainless steel		
- after 20 minutes	20	FTM 1
- after 24 hours	22	FTM 1
Shear (hours) 1kg-25 mm x 25mm	250	FTM 8

FACE DATA

	TYPICAL VALUES (*)	TEST METHOD
Thickness (μ)	50	ISO 534
Tensile (N/15mm)	> 40	DIN 53455
Vapor transmission (perm)	< 0,1	DIN 53122

TEMPERATURE RESISTANCE

Minimum application temperature	+ 5°C	S.A.F.T. 500grs
End-use temperature range	- 40°C to + 90°C	
Short term resistance	+ 100°C	

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

RELEASE LINER

Silicone paper brown of 65 gr/sqm	ISO 536
100 μ	ISO 534

THICKNESS (Carrier+Adhesive)

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

IMPORTANT NOTICE

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