

TECHNICAL DATA SHEET

MACER Acid AF

Material profile

The main components are aramid & organic fibres with CSM Binder.

Application

Premium quality acid jointing material. A chemical grade material suitable for most acids, alkalis, oils, fuels and refrigerants for aggressive environments.

Dimensions of the standard sheets : $\pm 10\%$

1500 x 1500, 1500 x 2000, 1500 x 4000 mm

Standard Thickness : 0.40 mm to 5.00 mm

Thickness Tolerance :

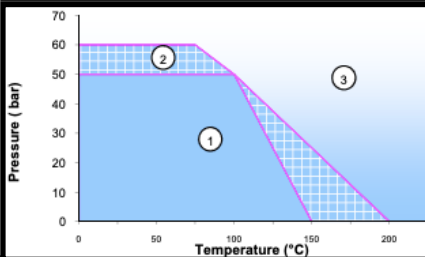
$\leq 1.00 \text{ mm} \pm 0.10 \text{ mm}$, $> 1.00 \text{ mm} \pm 10\% \text{ mm}$
combustion engines.

Surface finish : White Colour (other Colour on Customer requirement)

Specification Compliance : ASTM F 104 Line Call Out : F 712000 A9 M5

Max. peak temperature : 200°C

Max. Operating pressure : 60 bar



Areas of application

1. Suitable for the application, subject to chemical compatibility.
2. Only for short term temp. excursions
3. Do not install the gasket without technical assistance

Physical Properties (Properties applicable for 2.0mm thickness)

Properties	Test Method	Unit	Specified Value
1. Density	ASTM F 1315	g/cm ³	1.6 - 1.9
2. Compressibility	ASTM F 36 J	%	7 - 17
3. Recovery	ASTM F 36 J	%	≥ 40
4. Tensile Strength	ASTM F 152	N/mm ²	≥ 10.50
5. Gas Sealability	ASTM F 37B	ml/hour	< 1.0
Thickness increase			
Nitric Acid (40%)		%	≤ 15
Sulphuric Acid (96%)		%	≤ 15
Sulphuric Acid (65%)		%	≤ 15

All information & recommendations given in this brochure are correct to the best of our knowledge. However, in view of the wide variety of possible installation & operating conditions one cannot draw the final conclusion in all application cases regarding the behaviour in a gasket joint. Therefore, information can only serve as a guideline.