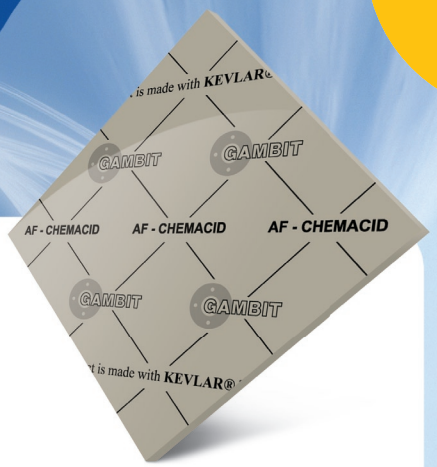
GASKET SHEETS



TECHNICAL SPECIFICATION

Gasket sheet Gambit AF-CHEMACID

Material

Gasket sheet GAMBIT **AF-CHEMACID** is based on Kevlar® aramide fibres, mineral fibres, and fillers bound with CSM rubber-based binder.

Designation according to DIN 28091-2: **FA-AMZ-O**

Kevlar® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

General properties and applications

Acid and base resistant. Recommended mostly for applications in chemical sector.

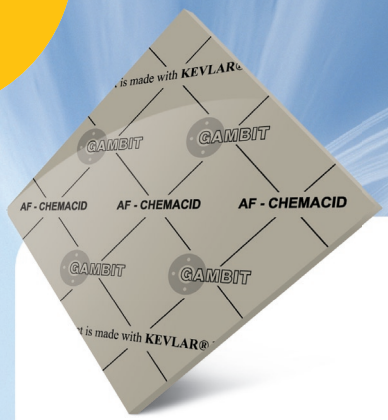
Maximum working conditions

Peak temperature	**°C**	200
Temperature under continuous operation	**°C**	150
Pressure	**MPa**	4

Dimensions

Standard thicknesses of sheets /thicknesses above 4.0 mm are produced by gluing/	**mm**	0,5; 0,8 1,0; 1,5; 2,0; 2,5 3,0; 4,0; 5,0; 6,0	± 0,1 ± 10% ± 10%
Standard dimensions of sheets /custom dimensions available within the total range of 1500x3000 mm/	**mm**	1500x1500	± 10,0

Non-standard thicknesses and graphiting of sheet surfaces available upon request.



GASKET SHEETS

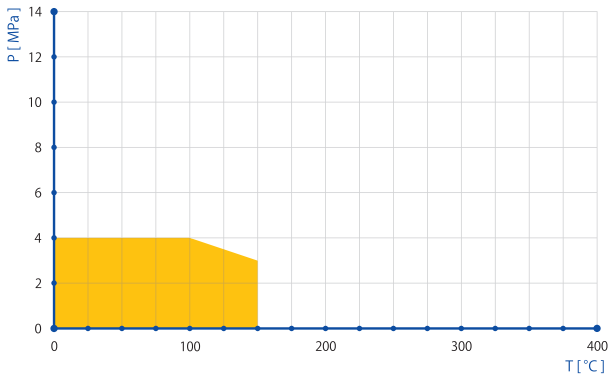
Physical and chemical properties

Density	± 5%	**g/cm³**	2,0	DIN 28090-2
Transverse tensile strength	min.	**MPa**	9	DIN 52910
Compressibility	typical value	**%**	9	ASTM F36
Elastic recovery	min.	**%**	50	ASTM F36
Residual stresses 50 MPa/16 h/175 °C/	min.	**MPa**	25	DIN 52913
INCREASE IN THICKNESS				
40% HNO_3 23 °C/18 h	max.	**%**	8	ASTM F146
65% H_2SO_4 23 °C/48 h	max.	**%**	10	ASTM F146
Colour		**light beige**		

(Values as detailed in table refer to 2.0 mm thick gasket sheets)

Calculation coefficients

Coefficients ASME			
Tightness class	**Thickness**	**m**	**y**
L0,1	2 mm	7,5	4,2 MPa
L1,0	2 mm	3,5	2,1 MPa



It is not recommended that maximum temperature and pressure are applied simultaneously. Pressure to temperature correlation for sheet thickness 2.0 mm is shown in the diagram.

● There is no requirement for trials.