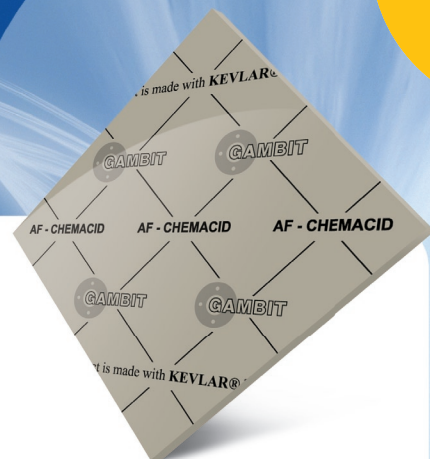


GASKET SHEETS



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

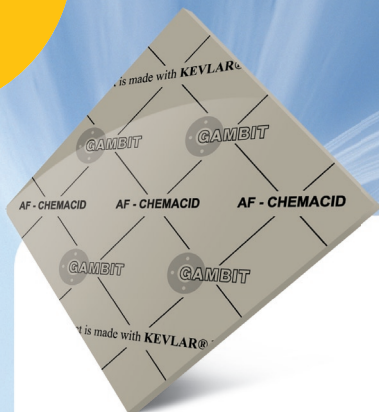
Dimensions

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.

All information in this catalogue is based on years of experience in manufacture and use of the discussed products. Since sealing performance in the joint is subject to multiple factors such as mounting method, system parameters, and sealed medium, technical parameters specified herein are of informative nature only and cannot be used as grounds for any claims; any special uses of products are subject to consulting with the manufacturer.

GASKET SHEETS



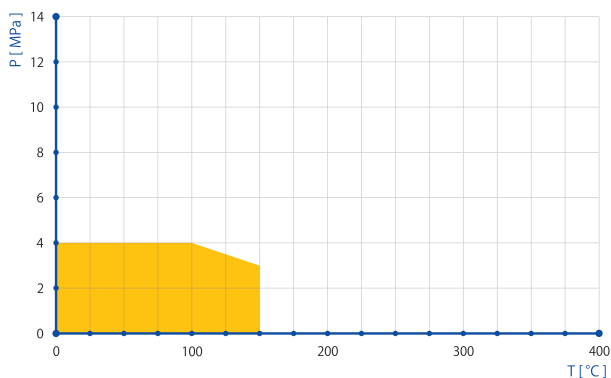
Physical and chemical properties

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% HNO₃ 23 °C/18 h	max.	%	8	ASTM F146
65% H₂SO₄ 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.

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