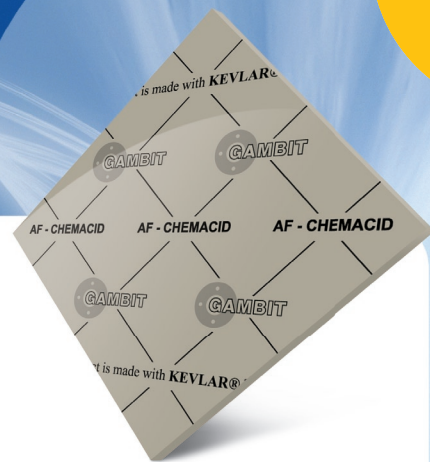


# GASKET SHEETS



## 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

<b>Peak temperature</b>	°C	200
<b>Temperature under continuous operation</b>	°C	150
<b>Pressure</b>	MPa	4

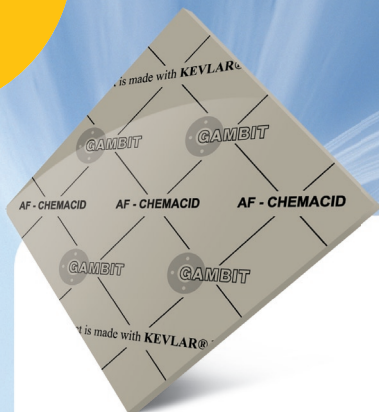
## Dimensions

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

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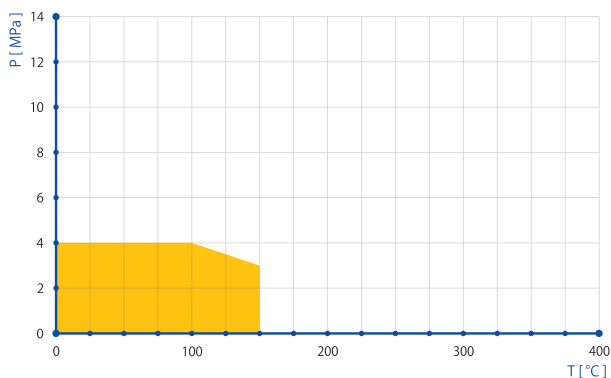
## Physical and chemical properties

<b>Density</b>	± 5%	<b>g/cm<sup>3</sup></b>	2,0	DIN 28090-2
<b>Transverse tensile strength</b>	min.	<b>MPa</b>	9	DIN 52910
<b>Compressibility</b>	typical value	<b>%</b>	9	ASTM F36
<b>Elastic recovery</b>	min.	<b>%</b>	50	ASTM F36
<b>Residual stresses 50 MPa/16 h/175 °C/</b>	min.	<b>MPa</b>	25	DIN 52913
INCREASE IN THICKNESS				
<b>40% HNO<sub>3</sub> 23 °C/18 h</b>	max.	<b>%</b>	8	ASTM F146
<b>65% H<sub>2</sub>SO<sub>4</sub> 23 °C/48 h</b>	max.	<b>%</b>	10	ASTM F146
<b>Colour</b>	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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