



Specially selected components and structure of AF-GL® gasket sheet ensure high tightness of a joint and resistance to a whole range of media, including steam, water, fuels, oils, solutions of salt as well as weak solutions of acids and bases. Thanks to application of a unique composition of fibres and fillers, gaskets made of this material feature higher resistance to operation in steam.

Gambit AF-GL® gasket sheet is composed of glass fibres, mineral fibres, Kevlar® aramid fibres and fillers bound with NBR rubber.

Classification according to DIN 28091-2:  
FA-GA1-O

Approvals / Admissions / Certificates:  
DNV GL  
EC 1935/2004

**Gasket sheets Gambit AF-GL®**  
is a registered trademark of Gambit Lubawka Sp. z o.o. or its affiliates.

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

## GASKET SHEETS Gambit AF-GL®

The values given in the table refer to gasket boards with a thickness of 2.0 mm

### Maximum working conditions

Peak temperature	°C	400
Temperature under continuous operation	°C	340
Temperature under continuous operation with steam	°C	250
Pressure	MPa	12

### Dimensions

Standard thicknesses of sheets / thicknesses above 5.0 mm are produced by gluing/	mm	0,3   0,5   0,8	± 0,1
		1,0   1,5   2,0   2,5	± 10%
		3,0   4,0   5,0   6,0	± 10%
Standard dimensions of sheets / custom dimensions available within the total range of 1500 x 3000 mm/	mm	1500 x 1500	± 10,0

### Technical data - typical values for the thickness of 2.0 mm

Density	± 5%	g/cm <sup>3</sup>	1,9	DIN 28090-2
Transverse tensile strength	min.	MPa	9	DIN 52910
Compressibility	typical value	%	10	ASTM F36
Elastic recovery	min.	%	55	ASTM F36
Residual stresses 50 MPa/16 h/300°C	min.	MPa	29	DIN 52913
Residual stresses 50 MPa/16 h/175°C	min.	MPa	34	DIN 52913
INCREASE IN THICKNESS				
Oil IRM 903 150°C/5 h	max.	%	6	ASTM F146
Model fuel B 20°C/5 h	max.	%	6	ASTM F146
Colour	steel			

### Calculation factors

ASTM F3149	For gaskets with thickness 1,5 mm		
	Tightness class [mg/(s*m)]	m	y [MPa]
	L <sub>1,0</sub>	2,0	2,3
	L <sub>0,1</sub>	6,1	5,8
EN 13555			