



A sheet designed for sealing in medium temperature and medium pressure applications. Water, steam, kerosene, fuel, and oil resistant, among other media.

GAMBIT AF-U gasket sheet is based Kevlar® aramide fibres, mineral fibres, and fillers bound with an NBR rubber-based binder.

Classification according to DIN 28091-2:  
FA-AM1-0

Approvals / Admissions / Certificates:  
TA Luft (VDI 2440)  
UDT  
EC 1935/2004

**Gambit AF-U®**  
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**KEVLAR®**  
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## GASKET SHEETS Gambit AF-U®

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

Maximum working conditions		
Peak temperature	°C	350
Temperature under continuous operation	°C	220
Temperature under continuous operation with steam	°C	200
Pressure	MPa	10

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>	2,0	DIN 28090-2
Transverse tensile strength	min.	MPa	8	DIN 52910
Compressibility	typical value	%	10	ASTM F36
Elastic recovery	min.	%	50	ASTM F36
Residual stresses 50 MPa/16 h/300°C	min.	MPa	22	DIN 52913
Residual stresses 50 MPa/16 h/175°C	min.	MPa	28	DIN 52913
INCREASE IN THICKNESS				
Oil IRM 903 150°C/5 h	max.	%	8	ASTM F146
Model fuel B 20°C/5 h	max.	%	8	ASTM F146
Colour	light blue			

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	2,5
	L <sub>0,1</sub>	8,9	5,8
EN 13555			

All information provided in this catalog based on many years of experience in the production and usage of these products. Due to the fact that the work of the seal in the flange connection is influenced by many factors resulting from the assembly method, operating parameters of the installation and the sealed medium, the parameters are indicative and do not give grounds for claims, and the specific use of products requires contact with the manufacturer.