



Used in high temperature flange joints, in systems with high fluctuations in pressure and medium flow rate. Features high mechanical resistance. Can be used in automotive industry. It is not recommended with acids and bases. When working with steam use suitable mounting clamps. Water, steam, kerosene, gasoline, fuel and oil resistant.

GAMBIT AF-1000 gasket sheet is based on Kevlar® aramide fibres, mineral fibres, and fillers bound with an NBR rubber-based binder; reinforced with galvanized steel mesh.

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

Approvals / Admissions / Certificates:
UDT
DNV GL

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GASKET SHEETS

Gambit AF-1000®

The values given in the table refer to gasket sheets with a thickness of 2.0 mm		
Maximum working conditions		
Peak temperature	°C	420
Temperature under continuous operation	°C	350
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	0,8	± 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 × 3000 mm/	mm	1500 × 1500	± 10,0

Technical data - typical values for the thickness of 2.0 mm				
Density	± 5%	g/cm ³	2,2-2,45	DIN 28090-2
Compressibility	typical value	%	9	ASTM F36
Elastic recovery	min.	%	50	ASTM F36
Residual stresses 50 MPa/16 h/300°C	min.	MPa	32	DIN 52913
Residual stresses 50 MPa/16 h/175°C	min.	MPa	35	DIN 52913
INCREASE IN THICKNESS				
Oil IRM 903 150°C/5 h	max.	%	8	ASTM F146
Model fuel B 20°C/5 h	max.	%	7	ASTM F146
Colour	graphite			

Calculation factors			
ASTM F3149	For gaskets with thickness 1,5 mm		
	Tightness class [mg/(s·m)]	m	y [MPa]
	L _{1,0}	9,1	2,1
EN 13555			