

GASKET SHEETS



TECHNICAL SPECIFICATION

Gasket sheet Gambit **PARO-GAMBIT**

Material

Gasket sheet **PARO-GAMBIT** is based on carbon fibres, mineral fibres, and fillers bound with NBR rubber-based binder.

Designation according to DIN 28091-2: **FA-CM1-0**

General properties and applications

High performance sheet, recommended mostly for installations working with steam.

Maximum working conditions

Peak temperature	°C	450
Temperature under continuous operation	°C	350
Temperature under continuous operation with steam	°C	350
Pressure	MPa	10

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, graphiting of sheet surfaces, and reinforcement with metallic mesh 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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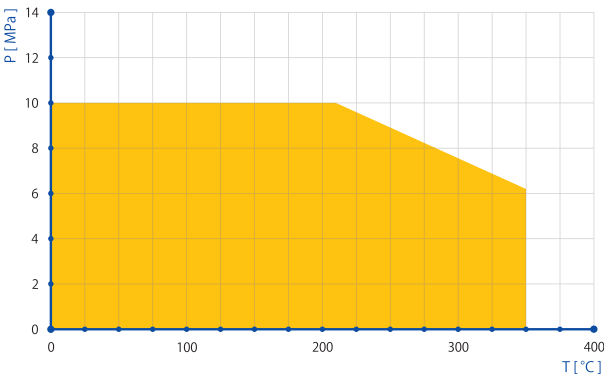
Physical and chemical properties

Density	± 5%	g/cm³	1,9	DIN 28090-2
Transverse tensile strength	min.	MPa	10	DIN 52910
Compressibility	typical value	%	11	ASTM F36
Elastic recovery	min.	%	55	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.	%	12	ASTM F146
Colour	ginger			

(Values as detailed in table refer to 2.0 mm thick gasket sheets)

Calculation coefficients

Coefficients DT – UC – 90/WO-0/19									
σ_m			σ_r			b			
1 mm	2 mm	3 mm	1 mm	2 mm	3 mm	20 °C	200 °C	300 °C	400 °C
30 MPa	15 MPa	10 MPa	6,4 p ₀	5 p ₀	4,1 p ₀	1,0	1,7	2,5	3,6



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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