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-O**

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.

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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
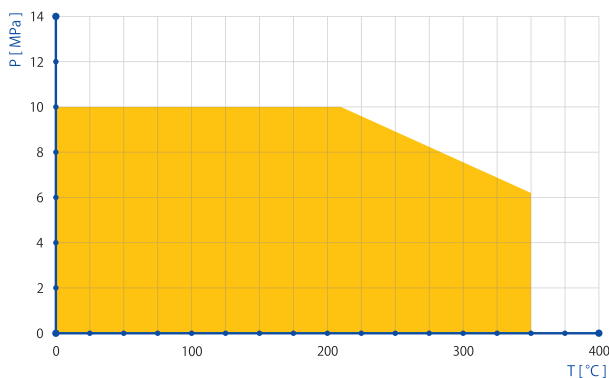
It is not recommended that maximum temperature and pressure are applied simultaneously. Pressure to temperature correlation for sheet thickness 2.0 mm is shown in the diagram.

● There is no requirement for trials.

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