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GASKET SHEETS


Gambit MAGNUM®

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	370
Temperature under continuous operation with steam	°C	260
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 1500x3000 mm/	mm	1500 × 1500	± 10,0

Technical data - typical values for the thickness of 2.0 mm				
Density	± 5%	g/cm ³	1,8	DIN 28090-2
Transverse tensile strength	min.	MPa	8	DIN 52910
Compressibility	typical value	%	10	ASTM F36
Elastic recovery	min.	%	45	ASTM F36
Residual stresses 50 MPa/16 h/300°C	min.	MPa	30	DIN 52913
Residual stresses 50 MPa/16 h/175°C	min.	MPa	32	DIN 52913
INCREASE IN THICKNESS				
Oil IRM 903 150°C/5 h	max.	%	3	ASTM F146
Model fuel B 20°C/5 h	max.	%	5	ASTM F146
Colour	orange			

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

GAMBIT MAGNUM® gasket sheet is a combination of selected unique fibre, fillers and rubber. The high-capacity aramid and mineral fibres, together with nano-fillers and selected rubber composition that create discontinuous phase and a specific method of cross-linking make the sheet structure different from the standard yarn-elastomer sheets. Sealing goods made of this sheet maintain higher elasticity in high temperatures and higher resistance to media than the standard sheets, which extends its life-cycle.

GAMBIT MAGNUM gasket sheet is based on KEVLAR® aramid yarns, mineral fibres and fillers with binders on the basis of HNBR rubber.

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

Approvals / Admissions / Certificates:
UDT
EC 1935/2004

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