GASKET SHEETS

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Chemical resistance of gasket sheets GAMBIT														
ltem	Chemical medium	GAMBIT AF-1000	GAMBIT AF-400	GAMBIT AF-200G	GAMBIT AF-OIL	GAMBIT AF-300	GAMBIT AF-U	GAMBIT AF-200 UNIVERSAL	GAMBIT AF-CD	GAMBIT AF-202	GAMBIT AF-153	GAMBIT SOFT	GAMBIT AF-CHEMACID	PARO-GAMBIT
1	Acetone													
2	Alcohol, ethyl		•	•	•	•	•	•	•	•	•	•	•	•
3	Alcohol, methyl		•	•	•	•	•	•	•	•	•	•	•	•
4	Ammonia	_	•	•	•	_	•	•					•	•
5	Aniline					_								
6	Benzene		•	•	•		•	•						•
7	Gasoline		•	•	•	_	•	•	•	•			_	•
8	Chloride (wet)		_											
9	Chloride (dry)		_	_		_							_	
10	Chloroform													
11	Cyclohexanone													
12	Ethane		•	•	•	•	•	•	•	•			•	•
13	Phenol													
14	Freon 11 and 12		•	•	•		•	•					•	•
15	Freon 22												_	
16	Ethylene glycol				-	-			-			-		
17	Nitric acid 20%													
18	Nitric acid 40%		-											
19	Phosphoric acid			-					-			-	-	
20	Formic acid													
	Acetic acid													
21 22	Sulfuric acid 20%												•	
22	Fuming sulfuric acid										1			
	Sulfuric acid 65%							-	-	-	-			
24						-	-							
25	Hydrochloric acid 20%					1	1	-		1				
26	Hydrochloric acid 36%									•				-
27	Soap	•	•	•	•	•	•	•	•	•	•	•	•	•
28	Potassium permanganate		•		•		•	•	<u> </u>				•	•
29	Kerosene		•	•	•	•	•	•	-	_	<u>_</u>		_	•
30	Ethyl acetate				^	^	^		•		•	•		
31	Hydraulic oil Phosphate ester type		٠	•	•		٠	٠	•				•	٠
32	Hydraulic oil Phosph. esters		_	_			_						_	
33	Silicone oil		•	•	•	•	•	•	•	•	•	•	•	•
34	Air	•	•	•	•	•	•	•	•	•	•	•	•	•
35	Trichloroethylene		_	_	_		_	_					_	
36	Water		•	•	•	•	•	•	•	•	•	•	•	•
37	Sea water		•	•	•	•	•	•	•	•	•	•	•	•
38	Ammonium hydroxide		•	•	•	•	•	•					•	•
39	Potassium hydroxide													
40	Sodium hydroxide									- <u>-</u>				-
41	Calcium hydroxide		-		-				-	-	-	-	-	-

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.

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.

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PARO-GAMBIT

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	МРа	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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KEVLAR

GAMBIT PARO-GAMBIT

GASKET SHEETS

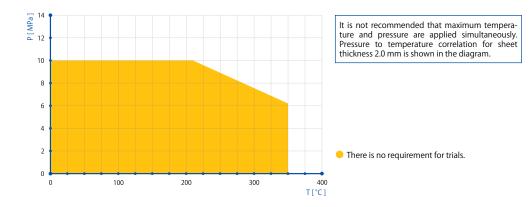
Physical and chemical properties

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											
$\sigma_{_{ m m}}$			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		



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