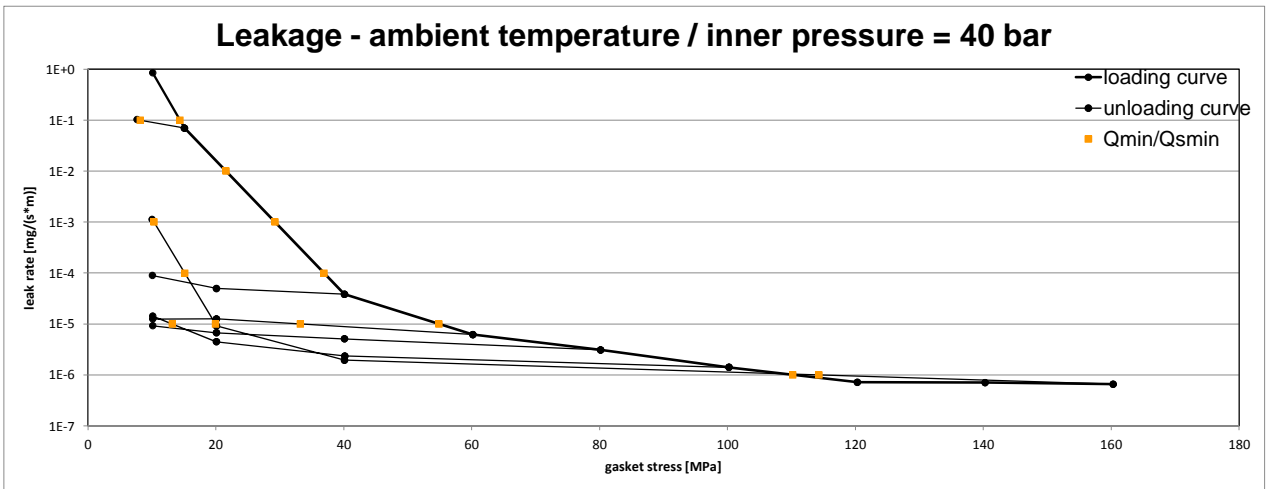


Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	24 SH
Sealing element dimensions [mm]	92 x 49 x 2

L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar								
		Q _{Smin/L} [MPa]								
		Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa	
10 ⁰	10	10	10	10	10	10			10	
10 ⁻¹	14	8	10	10	10	10			10	
10 ⁻²	22		10	10	10	10			10	
10 ⁻³	29		10	10	10	10			10	
10 ⁻⁴	37		10	10	10	10			15	
10 ⁻⁵	55			33	10	13			20	
10 ⁻⁶	110								114	
10 ⁻⁷										
10 ⁻⁸										



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 05.10.2011



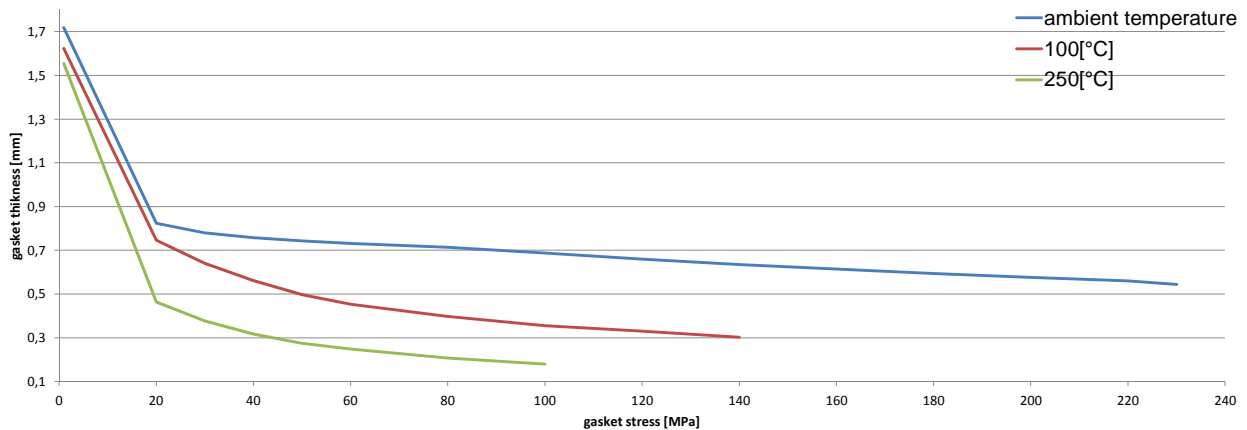
Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	24 SH
Sealing element dimensions [mm]	92 x 49 x 2

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm				
Gasket stress [MPa]	ambient temperature	temperature 1 [100 °C]	temperature 2 [250 °C]	
Stress level 1 [30 MPa]	0,93	0,62	0,37	
Stress level 2 [60 MPa]		0,58	0,42	
Stress level 3 [140 MPa]	0,95			
PQR at Q_{Smax}	1,00 at 230 MPa	0,65 at 140 MPa	0,52 at 100 MPa	

Maximal applicable gasket stress Q_{Smax}				
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [100 °C]	Q_{Smax} [MPa] – temperature 2 [250 °C]	Q_{Smax} [MPa] – temperature 3	Q_{Smax} [MPa] – temperature 4
230	140	100		

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	ambient temperature		temperature 1 [100 °C]		temperature 2 [250 °C]					
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
0										
1		1,72		1,62		1,55				
20	537	0,82	1118	0,75	515	0,46				
30	753	0,78	1249	0,64	786	0,38				
40	1140	0,76	1619	0,56	1033	0,32				
50	1312	0,74	1674	0,50	1147	0,28				
60	1442	0,73	2530	0,45	1159	0,25				
80	1813	0,71	6829	0,40	924	0,21				
100	2654	0,69	2569	0,36	1002	0,18				
120	2862	0,66	2312	0,33						
140	2982	0,64	1495	0,30						
160	2581	0,62								
180	2268	0,59								
200	2392	0,58								
220	2388	0,56								
230	2082	0,54								

Gasket thickness e_G



Note: the content of darkened cells was not determined respectively is unnecessary

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