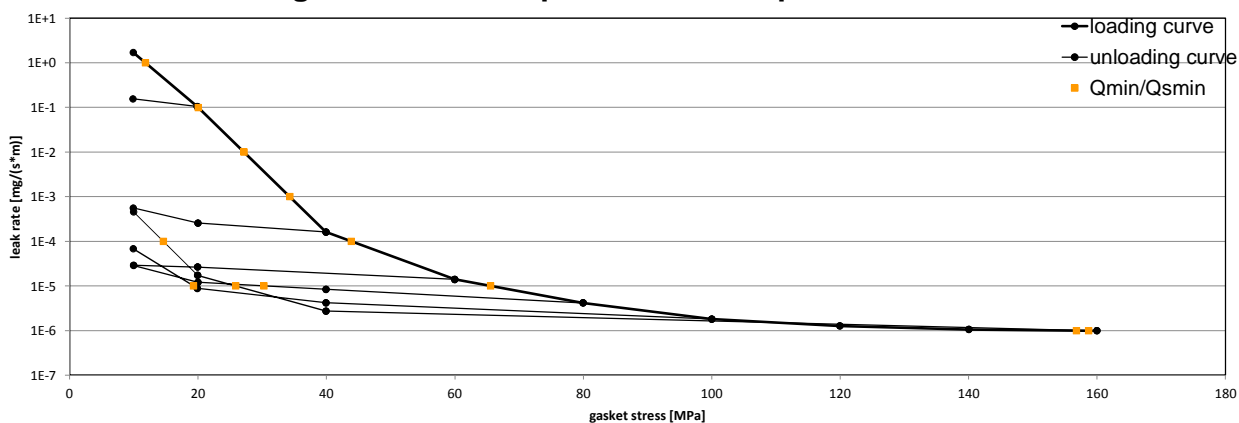


Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	24 SH
Sealing element dimensions [mm]	92 x 49 x 3

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	12	10	10	10	10	10			10		
10 ⁻¹	20	20	10	10	10	10			10		
10 ⁻²	27		10	10	10	10			10		
10 ⁻³	34		10	10	10	10			10		
10 ⁻⁴	44			10	10	10			15		
10 ⁻⁵	66				30	19			26		
10 ⁻⁶	157								159		
10 ⁻⁷											
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 40 bar



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

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Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

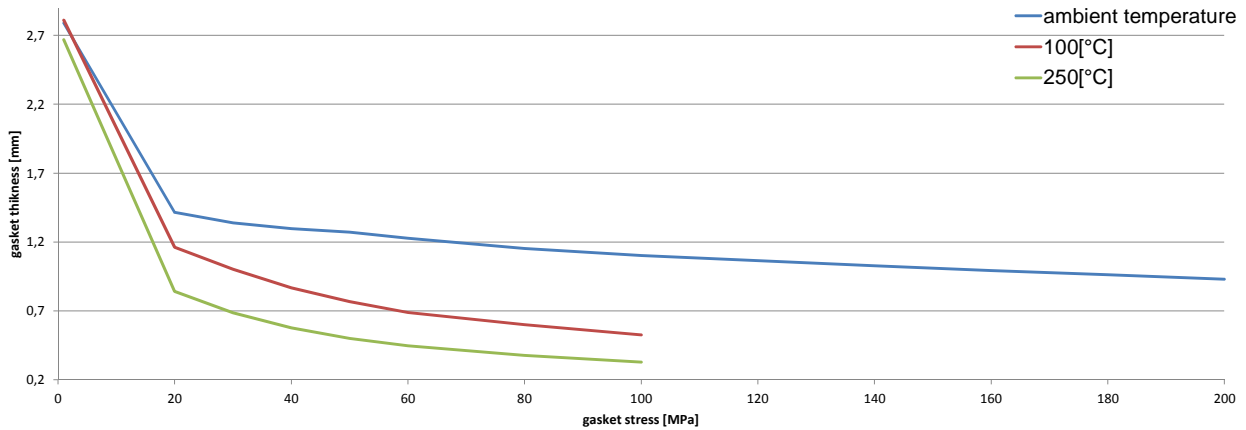
Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	24 SH
Sealing element dimensions [mm]	92 x 49 x 3

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]	0,88	0,56	0,34	
Stress level 2 [50 MPa]			0,26	
Stress level 3 [60 MPa]		0,48		
Stress level 4 [140 MPa]	0,95			
PQR at Q_{Smax}	0,88 at 200 MPa	0,51 at 100 MPa	0,40 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]	
200	100	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]
0						
1		2,790		2,811		2,668
20	469	1,416	603	1,162	447	0,842
30	801	1,339	1192	1,003	602	0,687
40	1080	1,297	1555	0,868	767	0,577
50	1733	1,271	1419	0,768	846	0,501
60	1656	1,228	2000	0,689	962	0,448
80	2530	1,153	2635	0,600	1102	0,377
100	2336	1,103	3060	0,527	1219	0,329
120	2714	1,065				
140	2435	1,028				
160	2286	0,993				
180	2511	0,962				
200	2391	0,930				

Gasket thickness e_G



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