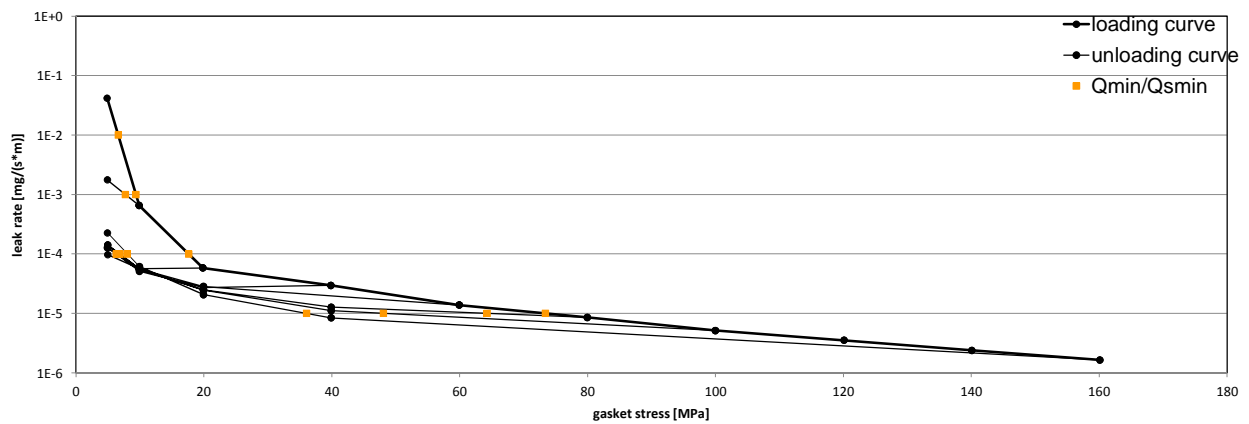


Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1570
Sealing element dimensions [mm]	92 x 49 x 2

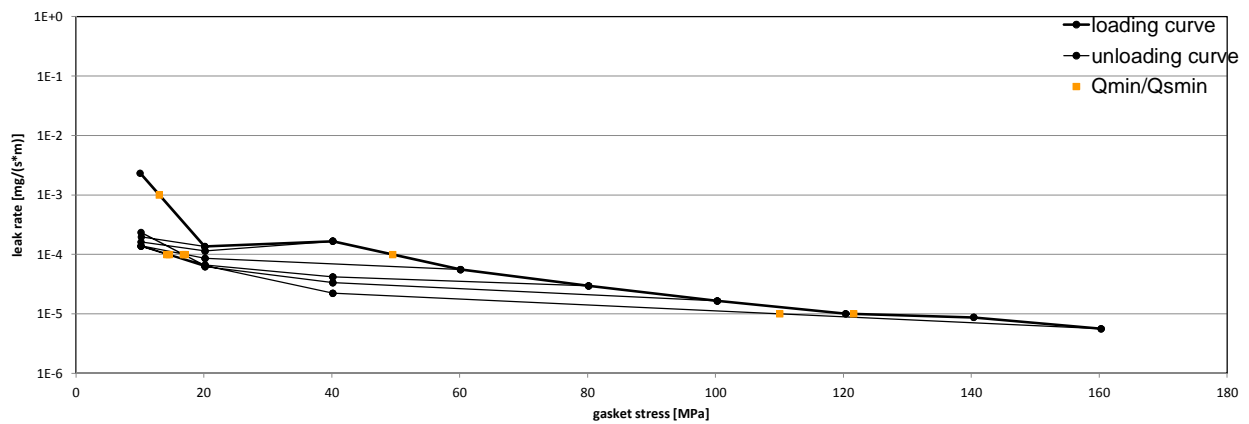
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa	
10 ⁰	5	5	5	5	5	5	5			5	
10 ⁻¹	5	5	5	5	5	5	5			5	
10 ⁻²	7	5	5	5	5	5	5			5	
10 ⁻³	9	8	5	5	5	5	5			5	
10 ⁻⁴	18		5	6	7	6	7			8	
10 ⁻⁵	73					64	48			36	
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 10 bar



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	10	10	10	10	10	10			10	
10 ⁻²	10	10	10	10	10	10			10	
10 ⁻³	13	10	10	10	10	10			10	
10 ⁻⁴	50			17	15	14			17	
10 ⁻⁵	122								110	
10 ⁻⁶										
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

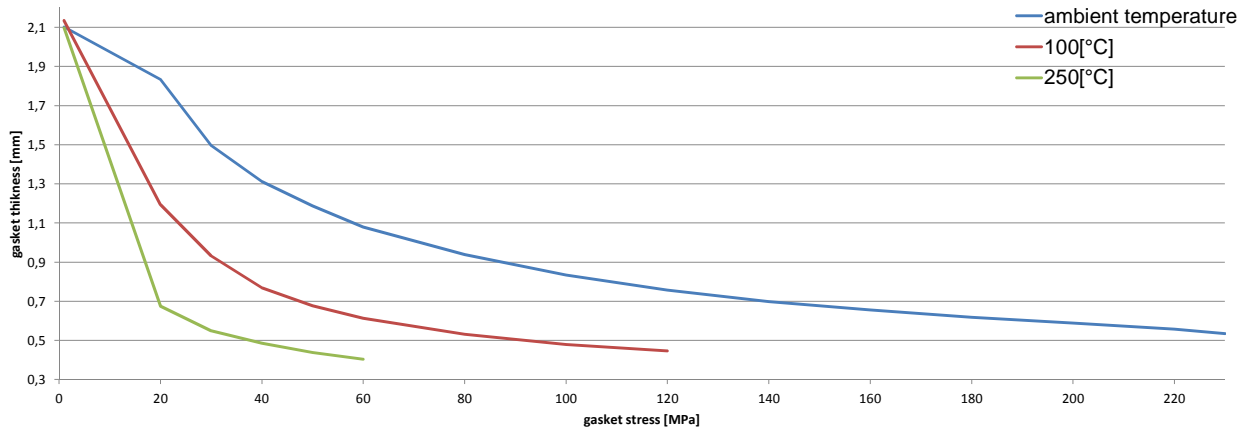
Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1570
Sealing element dimensions [mm]	92 x 49 x 2

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm				
Gasket stress [MPa]	temperature 1 [30 °C]	temperature 2 [100 °C]	temperature 3 [250 °C]	
Stress level 1 [30 MPa]	0,77	0,50	0,27	
Stress level 2 [80 MPa]		0,68		
Stress level 3 [140 MPa]	0,93			
PQR at Q_{Smax}	0,98 at 230 MPa	0,78 at 120 MPa	0,38 at 60 MPa	

Maximal applicable gasket stress Q_{Smax}			
Q_{Smax} [MPa] [30 °C]	Q_{Smax} [MPa] – temperature 1 [100 °C]	Q_{Smax} [MPa] – temperature 2 [250 °C]	
230	120	60	

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		2,10		2,14		2,10				
20	959	1,83	588	1,19	559	0,67				
30	1100	1,50	1226	0,93	657	0,55				
40	1453	1,31	1141	0,77	838	0,49				
50	1962	1,19	1425	0,68	1065	0,44				
60	2646	1,08	1407	0,61	1175	0,40				
80	2863	0,94	1355	0,53						
100	3475	0,83	1788	0,48						
120	2733	0,76	2176	0,45						
140	2747	0,70								
160	2744	0,66								
180	2526	0,62								
200	2597	0,59								
220	2281	0,56								
230	2141	0,53								

Gasket thickness e_G



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

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