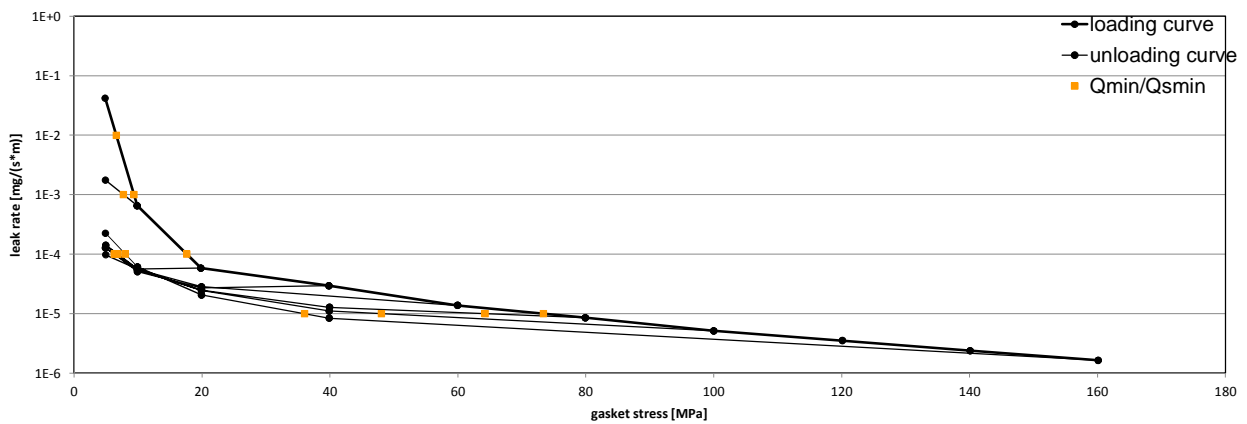


Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1570
Sealing element dimensions [mm]	92 x 49 x 2

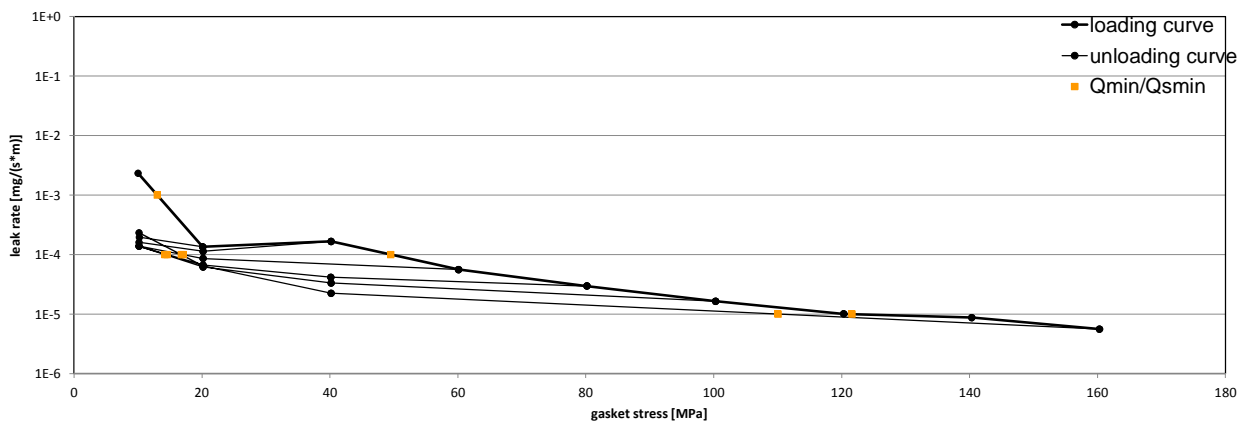
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa	
10 ⁰	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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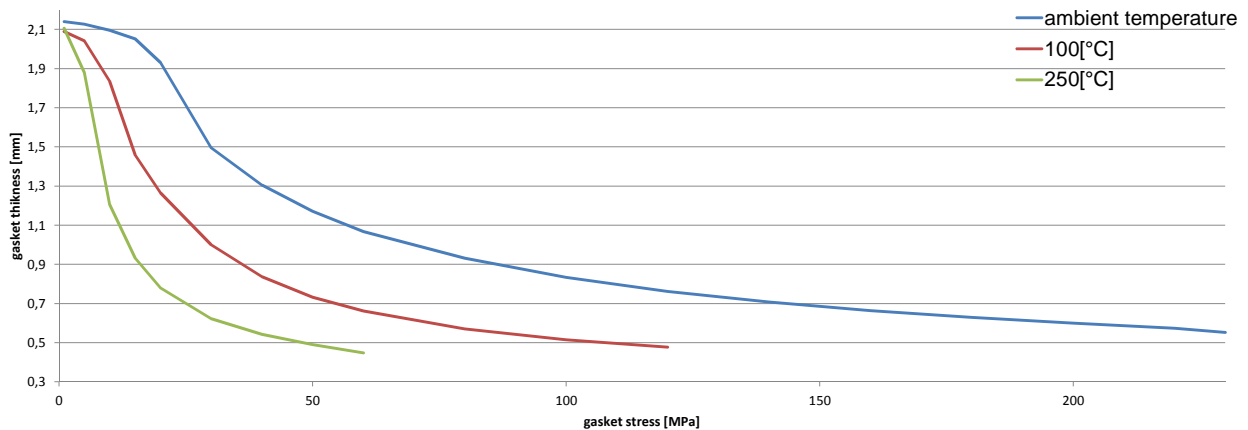
Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1570
Sealing element dimensions [mm]	92 x 49 x 2

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		2,14		2,09		2,11				
5	1002	2,13	469	2,04	158	1,88				
10	1417	2,10	439	1,84	241	1,21				
15	1668	2,05	475	1,46	349	0,93				
20	1632	1,93	746	1,27	445	0,78				
30	1549	1,50	1311	1,00	623	0,62				
40	2178	1,30	1794	0,84	772	0,54				
50	2769	1,17	1947	0,73	897	0,49				
60	3132	1,07	2218	0,66	1038	0,45				
80	3993	0,93	2288	0,57						
100	3950	0,83	2385	0,52						
120	3725	0,76	2447	0,48						
140	3594	0,71								
160	3406	0,66								
180	3301	0,63								
200	3282	0,60								
220	3232	0,57								
230	2997	0,55								

Gasket thickness e_G



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