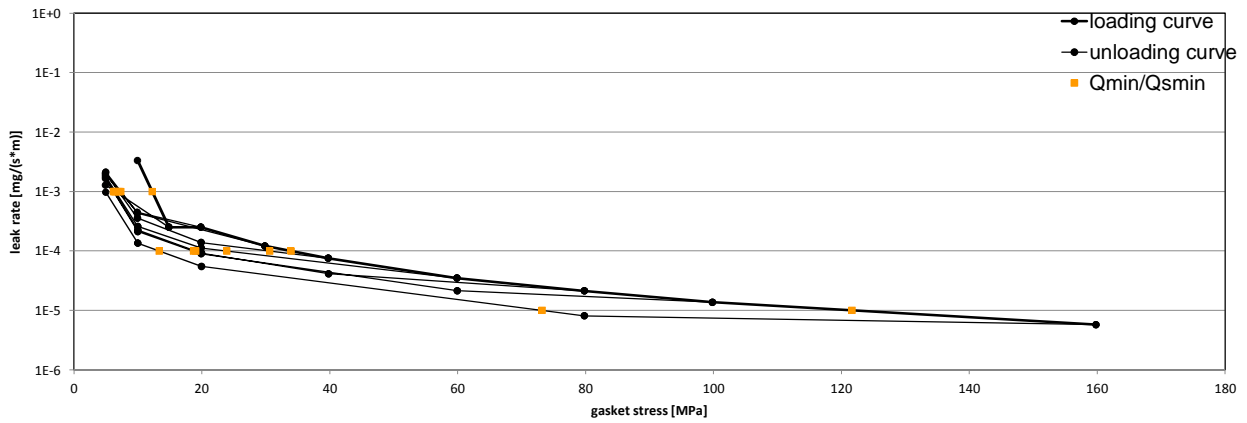


Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1570
Sealing element dimensions [mm]	92 x 49 x 3

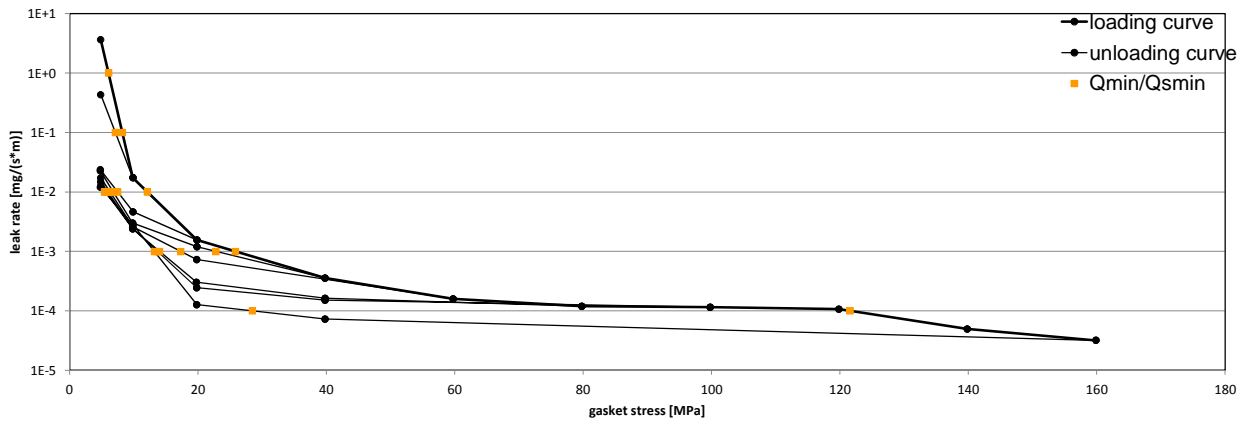
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar								
		Q _{Smin/L} [MPa]								
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 160 MPa	
10 ⁰	10	5	5	5	5	5	5	5	5	
10 ⁻¹	10	5	5	5	5	5	5	5	5	
10 ⁻²	10	5	5	5	5	5	5	5	5	
10 ⁻³	12	6	7	7	7	6	6	6	5	
10 ⁻⁴	34				31	24	19	19	13	
10 ⁻⁵	122								73	
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 = 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	6	5	5	5	5	5	5			5
10 ⁻¹	8	7	5	5	5	5	5			5
10 ⁻²	12		7	7	6	6	6			5
10 ⁻³	26			23	17	14	14			13
10 ⁻⁴	122									28
10 ⁻⁵										
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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Creation date of this sheet:

16.07.2012

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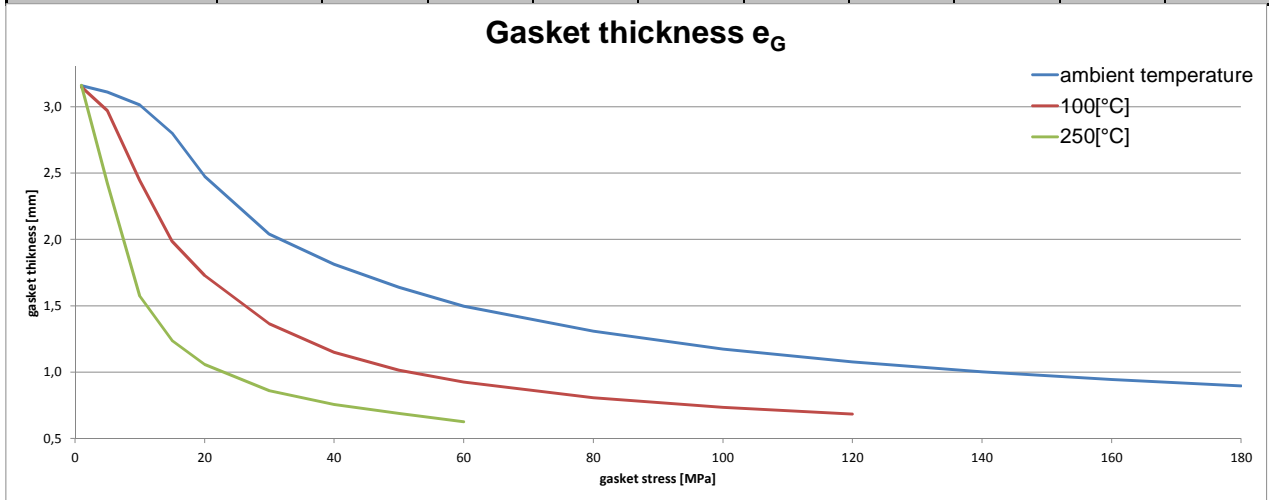
Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1570
Sealing element dimensions [mm]	92 x 49 x 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]	0,77	0,48	0,25	
Stress level 2 [60 MPa]	0,80	0,50		
Stress level 3 [80 MPa]		0,57		
Stress level 4 [140 MPa]	0,91			
Stress level 5 [160 MPa]	0,92			
PQR at Q_{Smax}	0,92 at 180 MPa	0,72 at 120 MPa	0,31 at 60 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]	
180	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]
0		3,190		3,180		3,175
1		3,159		3,148		3,161
5	643	3,110	298	2,971	97	2,423
10	772	3,013	256	2,445	181	1,575
15	799	2,800	358	1,983	255	1,237
20	813	2,474	537	1,728	329	1,057
30	1063	2,038	870	1,365	477	0,861
40	1534	1,813	1113	1,149	626	0,757
50	2017	1,640	1357	1,016	735	0,688
60	2404	1,497	1472	0,924	883	0,626
80	3194	1,308	1699	0,807		
100	3343	1,173	1953	0,735		
120	3236	1,076	2083	0,684		
140	3219	1,002				
160	3197	0,944				
180	3175	0,896				



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 2 Creation date of this sheet: 16.07.2012