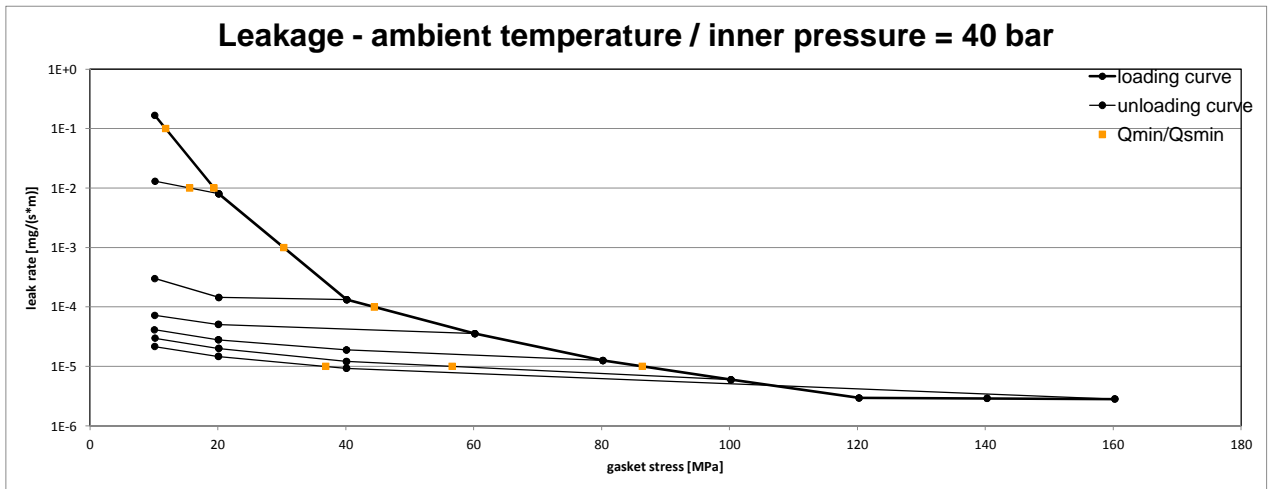


Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1590
Sealing element dimensions [mm]	92 x 49 x 2

L [mg/(s*m)]	Q <sub>min/L</sub> [MPa]	Minimum stress to seal Q <sub>min/L</sub> (at assembly), Q <sub>Smin/L</sub> (after off-loading) for p = 40 bar								
		Q <sub>Smin/L</sub> [MPa]								
		Q <sub>A</sub> = 20 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa	
10 <sup>0</sup>	10	10	10	10	10	10			10	
10 <sup>-1</sup>	12	10	10	10	10	10			10	
10 <sup>-2</sup>	19	16	10	10	10	10			10	
10 <sup>-3</sup>	30		10	10	10	10			10	
10 <sup>-4</sup>	44			10	10	10			10	
10 <sup>-5</sup>	86			10	10	57			37	
10 <sup>-6</sup>										
10 <sup>-7</sup>										
10 <sup>-8</sup>										



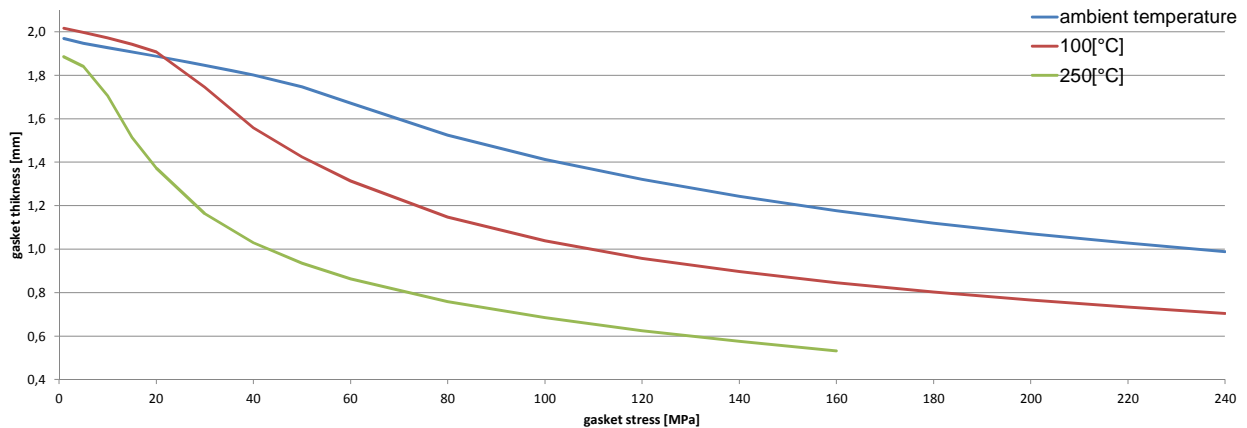
Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1590
Sealing element dimensions [mm]	92 x 49 x 2

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]	0,95	0,75	0,38	
Stress level 2 [100 MPa]			0,41	
Stress level 3 [140 MPa]	0,88	0,69		
PQR at $Q_{Smax}$	0,95 at 230 MPa	0,77 at 230 MPa	0,61 at 160 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]	
230	230	160	

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		1,975		1,990		1,890
1		1,969		2,017		1,885
5	1520	1,946	975	1,996	365	1,841
10	2484	1,927	1432	1,972	571	1,705
15	2743	1,907	1604	1,942	779	1,515
20	2937	1,888	1825	1,906	996	1,372
30	2770	1,846	2208	1,745	1284	1,163
40	3116	1,801	2669	1,557	1514	1,029
50	3596	1,746	2860	1,424	1697	0,935
60	4365	1,671	2980	1,313	1847	0,863
80	6364	1,525	3382	1,148	2131	0,759
100	7098	1,412	3691	1,039	2290	0,684
120	7353	1,321	3783	0,958	2465	0,625
140	7472	1,243	4005	0,896	2646	0,575
160	7226	1,176	4011	0,845	2959	0,532
180	6951	1,119	4076	0,802		
200	6675	1,070	4086	0,766		
220	6516	1,027	4267	0,734		
240	5830	0,989	3816	0,705		

### Gasket thickness $e_G$



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

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