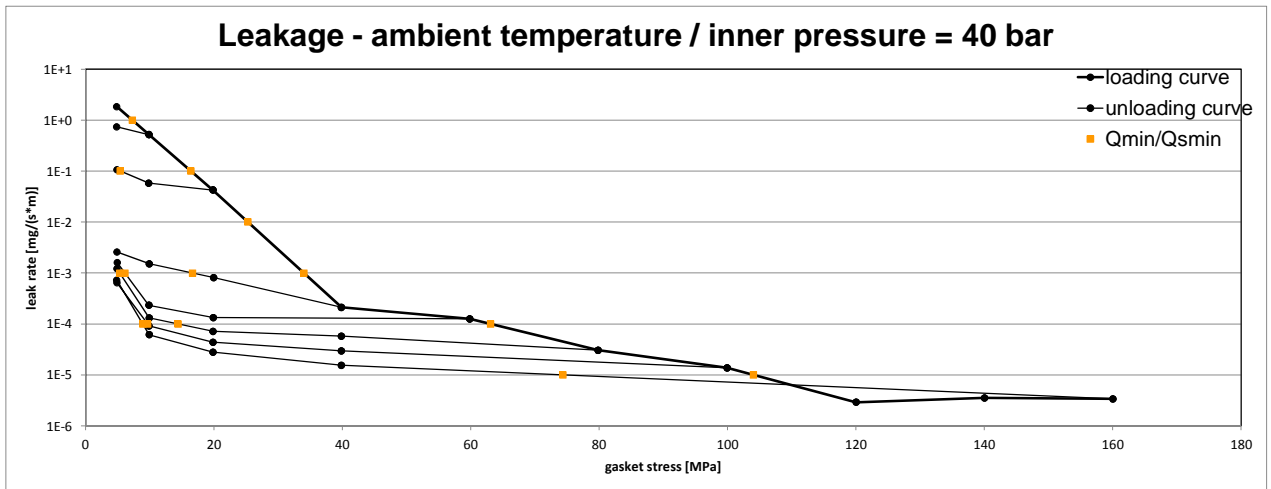


Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1590
Sealing element dimensions [mm]	92 x 49 x 3

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> = 10 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>	7	5	5	5	5	5	5			5	
10 <sup>-1</sup>	16		5	5	5	5	5			5	
10 <sup>-2</sup>	25			5	5	5	5			5	
10 <sup>-3</sup>	34			17	6	5	5			5	
10 <sup>-4</sup>	63					14	10			9	
10 <sup>-5</sup>	104									74	
10 <sup>-6</sup>											
10 <sup>-7</sup>											
10 <sup>-8</sup>											

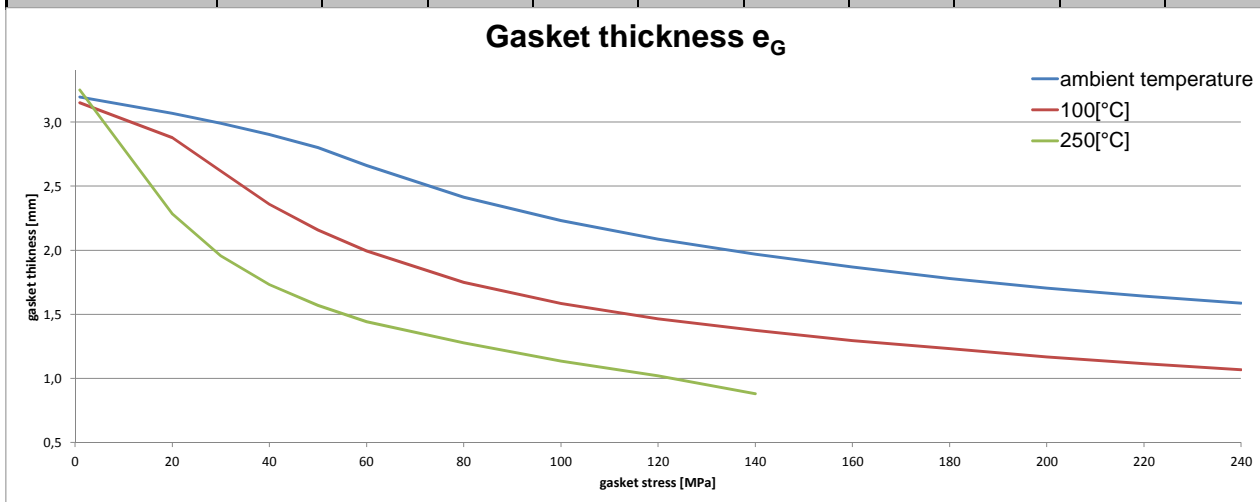


Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1590
Sealing element dimensions [mm]	92 x 49 x 3

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]	0,90	0,63	0,29	
Stress level 2 [100 MPa]			0,35	
Stress level 3 [140 MPa]	0,85	0,64		
PQR at $Q_{Smax}$	0,93 at 230 MPa	0,72 at 230 MPa	0,47 at 140 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]	$Q_{Smax}$ [MPa] – temperature 3	$Q_{Smax}$ [MPa] – temperature 4
230	230	140		

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		3,20		3,15		3,25				
20	1689	3,07	1305	2,88	638	2,28				
30	1762	2,99	1410	2,62	841	1,96				
40	2678	2,90	1902	2,36	1178	1,73				
50	3629	2,80	2296	2,16	1423	1,57				
60	4442	2,66	2657	1,99	1572	1,44				
80	5742	2,41	3227	1,75	2194	1,28				
100	7213	2,23	4047	1,59	2125	1,14				
120	7835	2,09	3929	1,47	3045	1,02				
140	8303	1,97	5025	1,37	5587	0,88				
160	10514	1,87	6384	1,29						
180	7157	1,78	6620	1,23						
200	6487	1,70	4984	1,17						
220	6940	1,64	5633	1,12						
240	7200	1,59	5218	1,07						



Note: the content of darkened cells was not determined respectively is unnecessary      Rev - No: 1      Creation date of this sheet: 19.10.2011

