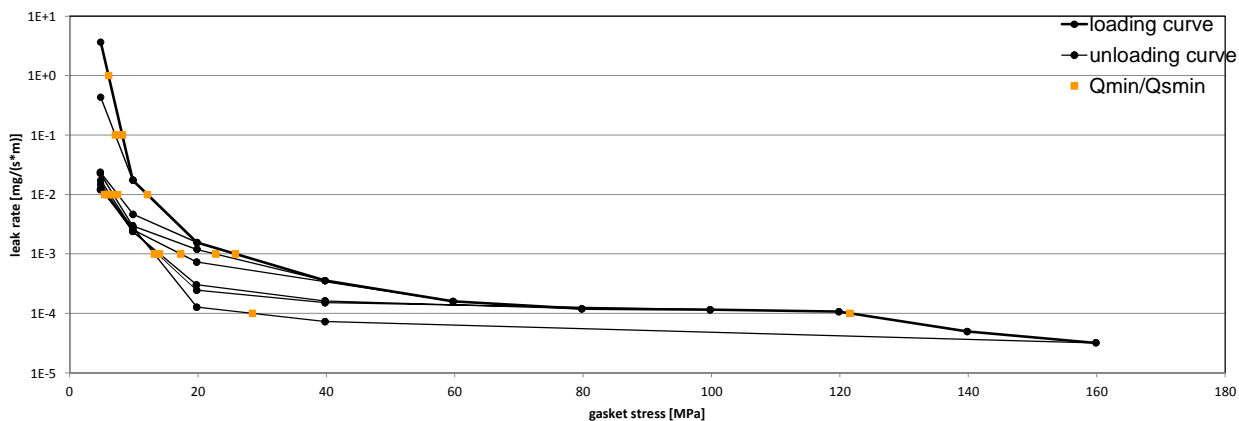


Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1570
Sealing element dimensions [mm]	92 x 49 x 3

L [mg/(s*m)]	Q <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>	6	5	5	5	5	5	5			5	
10 <sup>-1</sup>	8	7	5	5	5	5	5			5	
10 <sup>-2</sup>	12		7	7	6	6	6			5	
10 <sup>-3</sup>	26			23	17	14	14			13	
10 <sup>-4</sup>	122									28	
10 <sup>-5</sup>											
10 <sup>-6</sup>											
10 <sup>-7</sup>											
10 <sup>-8</sup>											

### 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

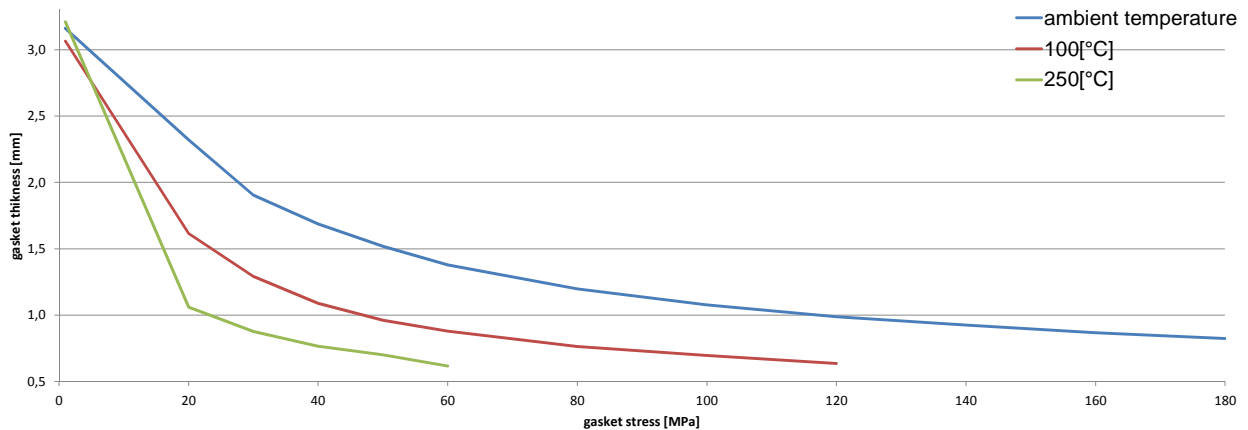
Company Address	Teadit International Produktions GmbH, Rosenheimerstraße 10, 6330 Kufstein, Austria
Gasket Type	TF 1570
Sealing element dimensions [mm]	92 x 49 x 3

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]	$Q_{Smax}$ [MPa] – temperature 3	$Q_{Smax}$ [MPa] – temperature 4
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]	$E_G$ [MPa]	$e_G$ [mm]	$E_G$ [MPa]	$e_G$ [mm]
0		3,20		3,10		3,24				
1		3,16		3,07		3,21				
20	727	2,32	618	1,62	419	1,06				
30	893	1,90	919	1,29	581	0,88				
40	1625	1,69	1276	1,09	543	0,77				
50	2430	1,52	1693	0,96	1038	0,70				
60	2787	1,38	1988	0,88	1256	0,62				
80	3135	1,20	2190	0,76						
100	3168	1,08	2395	0,70						
120	3265	0,99	1689	0,64						
140	3418	0,92								
160	2606	0,87								
180	2833	0,82								

### Gasket thickness $e_G$



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

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