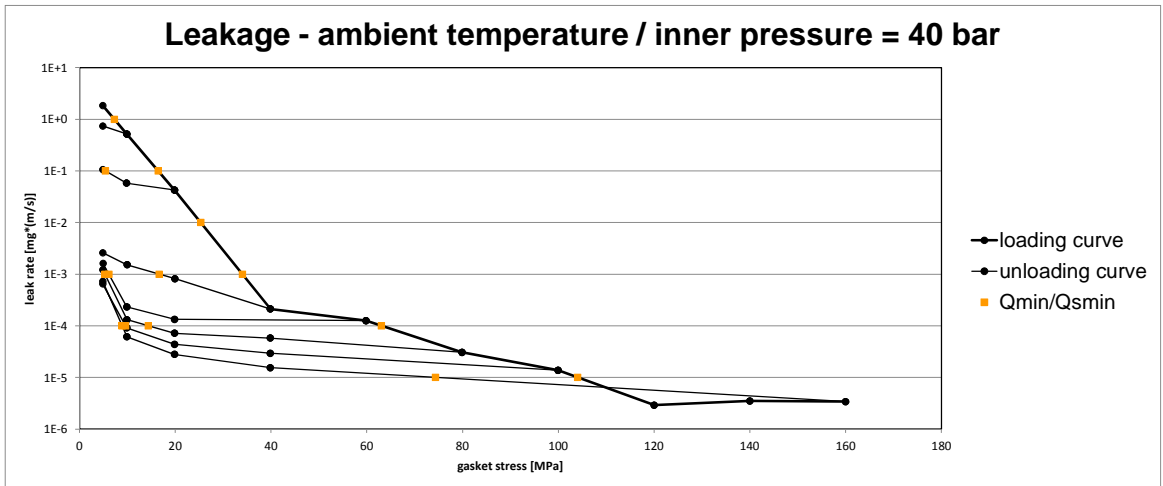


Company Address	Teadit International Produktions GmbH
Gasket Type	TF 1590
Sealing element dimensions [mm]	92x49x3,0

		Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for p = 40 bar									
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [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	
$10^{-0}$	7	5	5	5	5	5	5			5	
$10^{-1}$	16		5		5	5	5			5	
$10^{-2}$	25			5	5	5	5			5	
$10^{-3}$	34			17	6	5	5			5	
$10^{-4}$	63					14	10			9	
$10^{-5}$	104									74	
$10^{-6}$											
$10^{-7}$											
$10^{-8}$											



		Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for p = 40 bar									
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [MPa]									
$10^{-0}$											
$10^{-1}$											
$10^{-2}$											
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$10^{-4}$											
$10^{-5}$											
$10^{-6}$											
$10^{-7}$											
$10^{-8}$											

Company Address	Teadit International Produktions GmbH
Gasket Type	TF 1590
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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 235 MPa	0,72 at 235 MPa	0,47 at 140MPa	

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
235	235	140		

Sekant unloading modulus of the gasket $E_G$ [MPa]				
Gasket stress [MPa]	ambient temperature	temperature 1 [100 °C]	temperature 2 [250 °C]	
20	1690	1306	638	
30	1762	1411	842	
40	2678	1902	1179	
50	3629	2296	1423	
60	4442	2658	1573	
80	5742	3227	2195	
100	7213	4048	2125	
120	7836	3930	3045	
140	8303	5026	5587	
160	10514	6385		
180	7157	6620		
200	6487	4984		
220	6940	5634		
235	7200	5218		
260				
280				
300				
320				
340				
360				
380				
400				
420				
440				
460				
480				
500				
835				