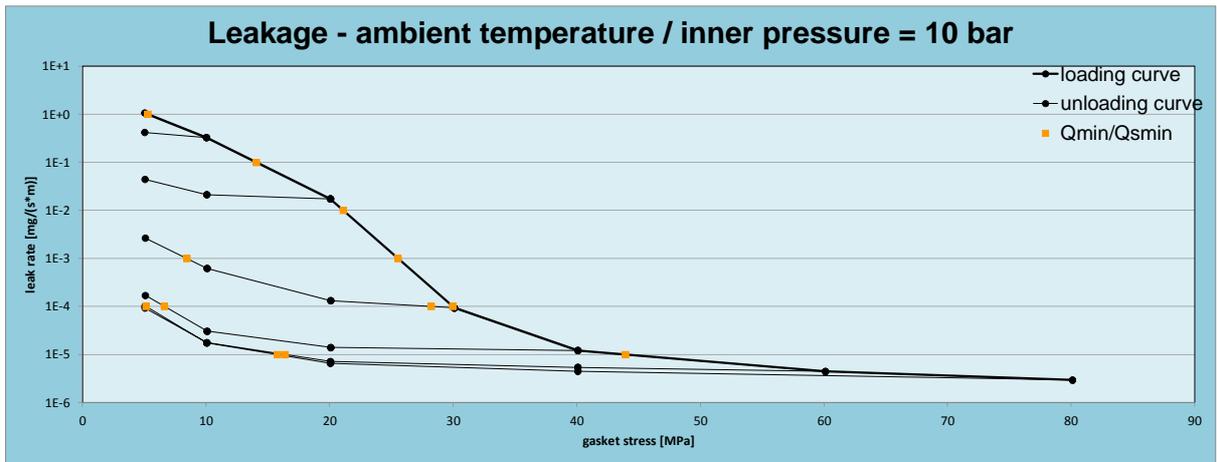
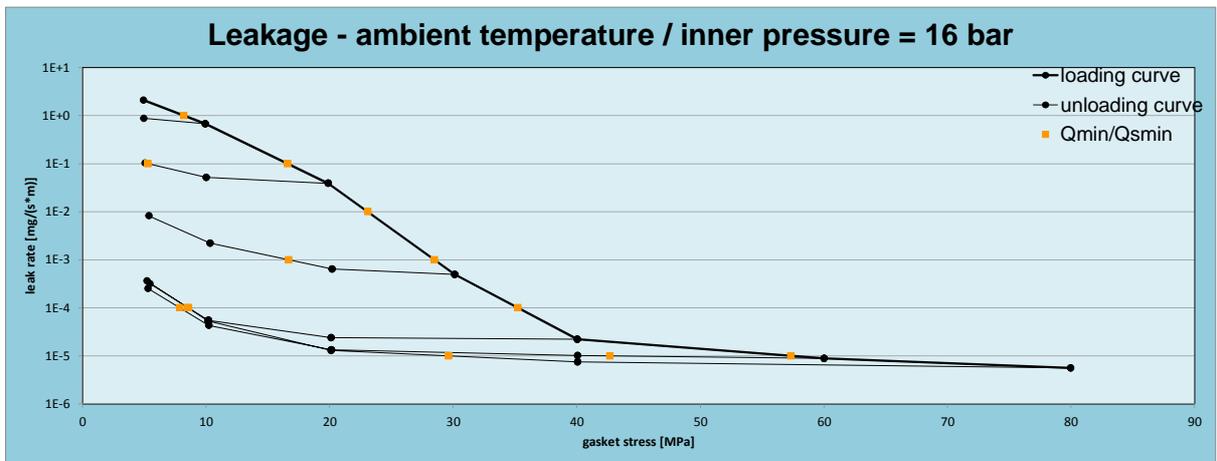


Company Address	IDT Industrie- und Dichtungstechnik GmbH Werk Kupferring, Gewerbering 6, 09456 Annaberg-Buchholz, Germany	According to DIN EN 13555 2014-07
Gasket Type	UNIFLUOR WS 7553 2,0 mm	
Sealing element dimensions [mm]	49x92x2,0	

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				
10 ⁻⁰	5			5	5	5	5				
10 ⁻¹	14			5	5	5	5				
10 ⁻²	21			5	5	5	5				
10 ⁻³	26			8	5	5	5				
10 ⁻⁴	30			28	7	5	5				
10 ⁻⁵	44					16	16				
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											

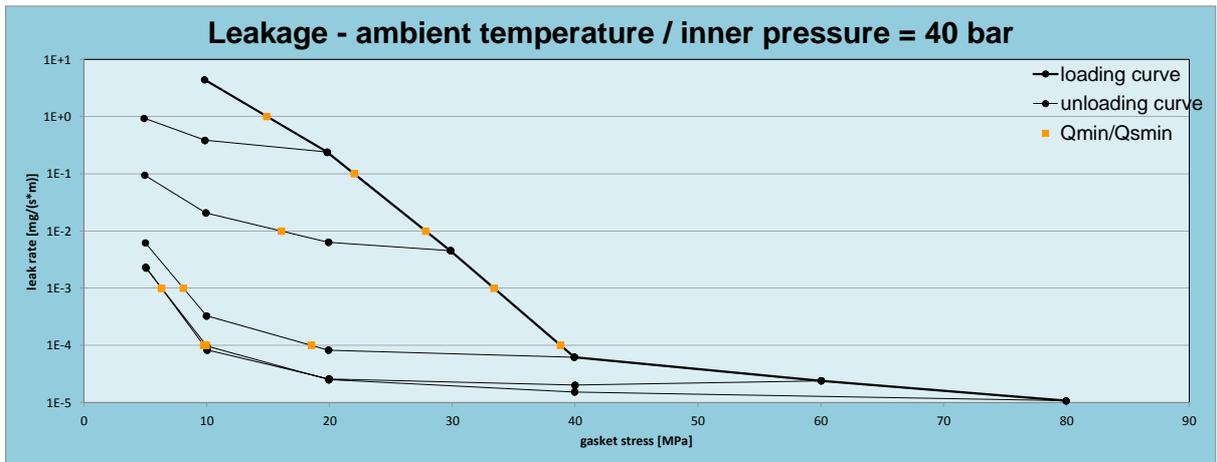


L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 16 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa				
10 ⁻⁰	8		5	5	5	5	5				
10 ⁻¹	17		5	5	5	5	5				
10 ⁻²	23			5	5	5	5				
10 ⁻³	28			17	5	5	5				
10 ⁻⁴	35				9	8	9				
10 ⁻⁵	57					43	30				
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											



Company Address	IDT Industrie- und Dichtungstechnik GmbH Werk Kupferring, Gewerbering 6, 09456 Annaberg-Buchholz, Germany	According to DIN EN 13555 2014-07
Gasket Type	UNIFLUOR WS 7553 2,0 mm	
Sealing element dimensions [mm]	49x92x2,0	

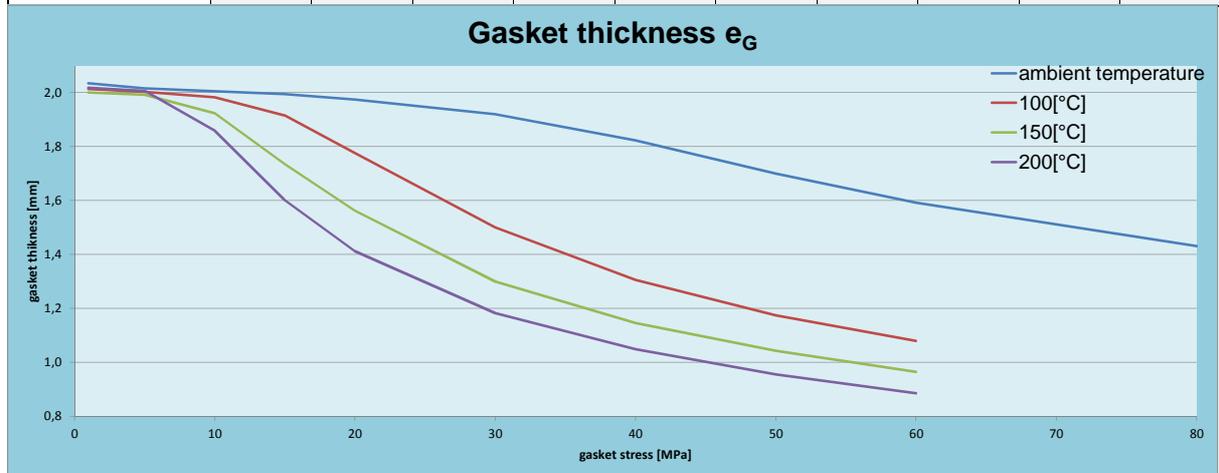
L [mg/(s·m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar					Q _{Smin/L} [MPa]				
		Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa					
		10 ⁻⁰	15		5	5	5	5			
10 ⁻¹	22		5	5	5	5					
10 ⁻²	28		16	5	5	5					
10 ⁻³	33			8	6	6					
10 ⁻⁴	39			19	10	10					
10 ⁻⁵											
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											



Company Address	IDT Industrie- und Dichtungstechnik GmbH Werk Kupferring, Gewerbering 6, 09456 Annaberg-Buchholz, Germany	According to DIN EN 13555 2014-07
Gasket Type	UNIFLUOR WS 7553 2,0 mm	
Sealing element dimensions [mm]	49x92x2,0	

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm										
Gasket stress	ambient temperature		temperature 1 [100 °C]		temperature 2 [150 °C]		temperature 3 [200 °C]		P_{QR}	Δe_{Gc} [mm]
	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]		
Stress level 1 [10 MPa]					0.76	0.021	0.63	0.031		
Stress level 2 [20 MPa]	0.96	0.008	0.63	0.060	0.50	0.084	0.41	0.103		
Stress level 3 [30 MPa]			0.51	0.126	0.41	0.155	0.33	0.172		
Stress level 4 [40 MPa]	0.85	0.053	0.47	0.182						
Stress level 5 [60 MPa]	0.82	0.094								
P _{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}										
P_{QR} at Q_{Smax}	0.80	0.121	0.46	0.229	0.36	0.219	0.32	0.236		
Q_{Smax}	70 MPa		50 MPa		40 MPa		40 MPa			

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 [150 °C]		temperature 3 [200 °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		1.985		2.030		2.040		2.025		
1		2.034		2.013		2.000		2.018		
5	1363	2.016	2553	2.002	998	1.992	673	2.007		
10	2938	2.005	4877	1.982	1281	1.923	742	1.858		
15	2716	1.994	2679	1.914	1398	1.735	934	1.602		
20	1992	1.974	2554	1.776	1498	1.563	1144	1.412		
30	2473	1.920	2527	1.499	1530	1.300	1280	1.182		
40	2384	1.823	2989	1.305	1592	1.145	1389	1.048		
50	2469	1.700	2984	1.174						
60	2734	1.592								
80	3073	1.431								
100										
120										
140										
160										
180										
200										
220										
240										
260										
280										
300										
320										
340										
360										
380										
400										
420										
440										
940										



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