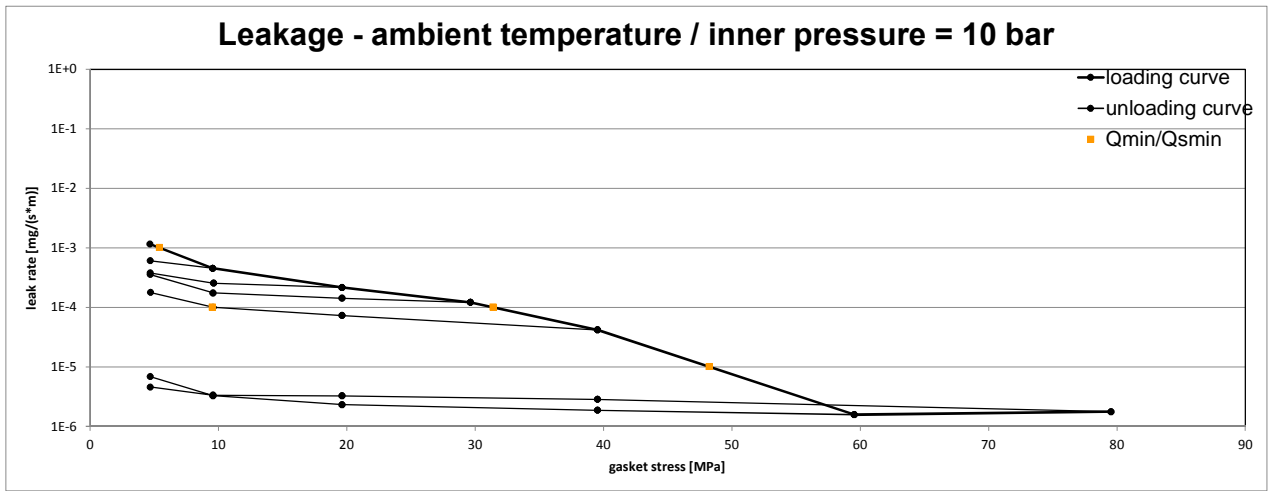
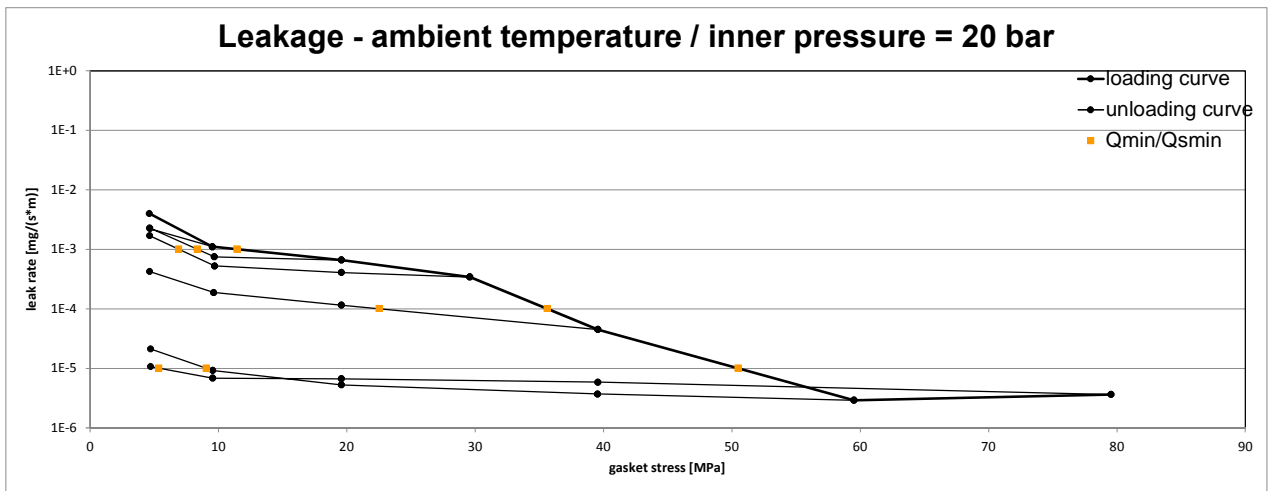


Company Address	W. L. Gore & Associates GmbH, Hermann-Oberth-Strasse 22, 85640 Putzbrunn, Germany	According to DIN EN 13555 2014-07
Gasket Type	GORE® Universal Pipe Gasket (Style 800)	
Sealing element dimensions [mm]	92 x 49 x 3	

L [mg/(s*m)]	Q _{minL} [MPa]	Minimum stress to seal Q _{minL} (at assembly), Q _{SminL} (after off-loading) for p = 10 bar						Q _{SminL} [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	5	5				
10 ⁻¹	5	5	5	5	5	5	5						
10 ⁻²	5	5	5	5	5	5	5						
10 ⁻³	5	5	5	5	5	5	5						
10 ⁻⁴	31				10	5	5						
10 ⁻⁵	48					5	5						



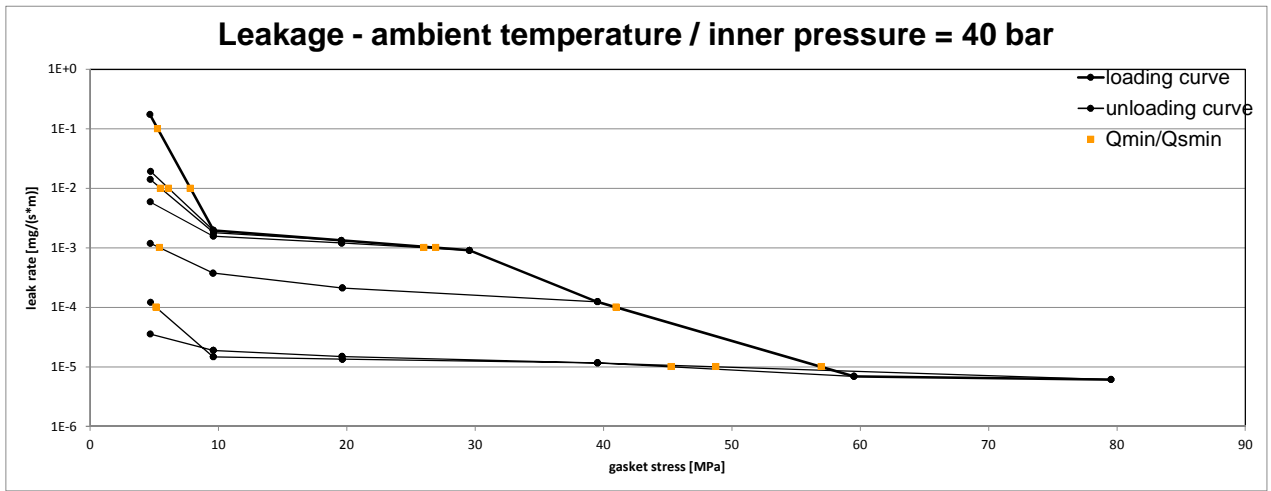
L [mg/(s*m)]	Q _{minL} [MPa]	Minimum stress to seal Q _{minL} (at assembly), Q _{SminL} (after off-loading) for p = 20 bar						Q _{SminL} [MPa]					
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa						
		10 ⁰	5	5	5	5	5	5	5				
10 ⁻¹	5	5	5	5	5	5	5						
10 ⁻²	5	5	5	5	5	5	5						
10 ⁻³	11		8	7	5	5	5						
10 ⁻⁴	36				23	5	5						
10 ⁻⁵	50					9	5						



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 2 Creation date of this sheet: 2016-01-25

Company Address	W. L. Gore & Associates GmbH, Hermann-Oberth-Strasse 22, 85640 Putzbrunn, Germany	According to DIN EN 13555 2014-07
Gasket Type	GORE® Universal Pipe Gasket (Style 800)	
Sealing element dimensions [mm]	92 x 49 x 3	

L [mg/(s*m)]	Q _{minL} [MPa]	Minimum stress to seal Q _{minL} (at assembly), Q _{SminL} (after off-loading) for p = 40 bar							
		Q _{SminL} [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	5	5		
10 ⁻¹	5	5	5	5	5	5	5		
10 ⁻²	8	6	6	5	5	5	5		
10 ⁻³	27			26	5	5	5		
10 ⁻⁴	41					5	5		
10 ⁻⁵	57					45	49		

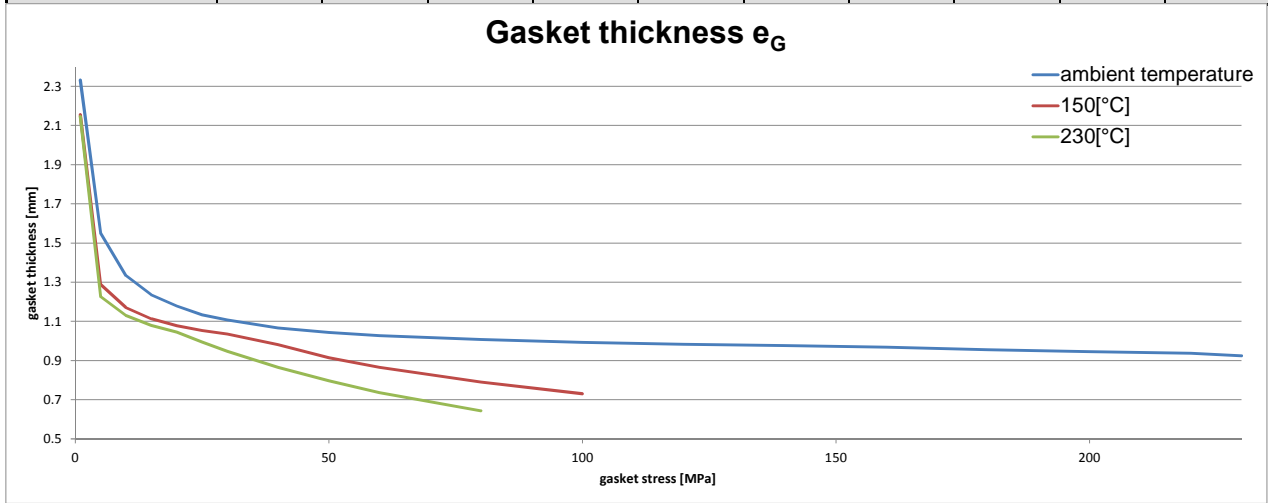


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Company Address	W. L. Gore & Associates GmbH, Hermann-Oberth-Strasse 22, 85640 Putzbrunn, Germany	According to DIN EN 13555 2014-07
Gasket Type	GORE® Universal Pipe Gasket (Style 800)	
Sealing element dimensions [mm]	92 x 49 x 3	

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm						
Gasket stress	ambient temperature		temperature 1 [150 °C]		temperature 2 [230 °C]	
	P_{QR}	Δe_{GC} [mm]	P_{QR}	Δe_{GC} [mm]	P_{QR}	Δe_{GC} [mm]
Stress level 1 [10 MPa]	0.77	0.020	0.44	0.047	0.36	0.054
Stress level 2 [30 MPa]	0.92	0.021	0.79	0.054	0.69	0.080
Stress level 3 [50 MPa]	0.96	0.018	0.76	0.102	0.65	0.148
P_{QR} and Δe_{GC} at maximal applicable gasket stress Q_{Smax}						
P_{QR} at Q_{Smax}	0.99	0.016	0.73	0.229	0.62	0.255
Q_{Smax}	230 MPa		100 MPa		80 MPa	

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]						
Gasket stress [MPa]	ambient temperature		temperature 1 [150 °C]		temperature 2 [230 °C]	
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
0		2.909		2.913		2.938
1		2.333		2.156		2.147
5	65	1.552	72	1.289	76	1.226
10	158	1.334	162	1.171	173	1.129
15	276	1.236	300	1.114	314	1.079
20	406	1.178	478	1.078	459	1.046
25	505	1.134	681	1.053	547	0.994
30	774	1.106	933	1.035	666	0.947
40	942	1.066	1285	0.981	916	0.864
50	1329	1.043	1645	0.914	1260	0.796
60	1638	1.027	2062	0.865	1591	0.736
80	2233	1.007	3353	0.790	2580	0.644
100	2984	0.993	5701	0.730		
120	3337	0.983				
140	4078	0.976				
160	4499	0.968				
180	4279	0.955				
200	4794	0.945				
220	5476	0.937				
230	4728	0.925				



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