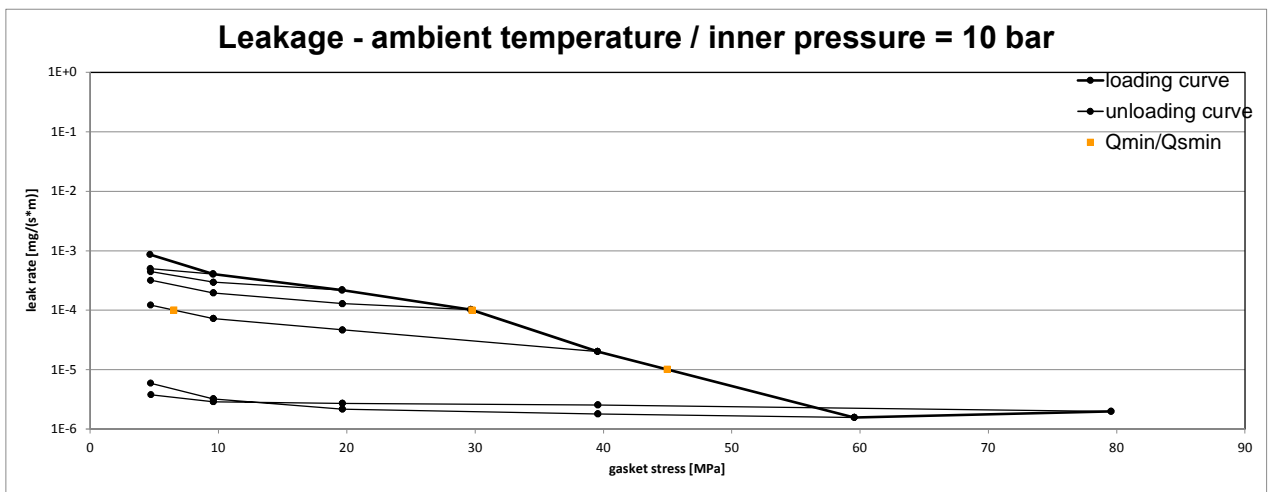
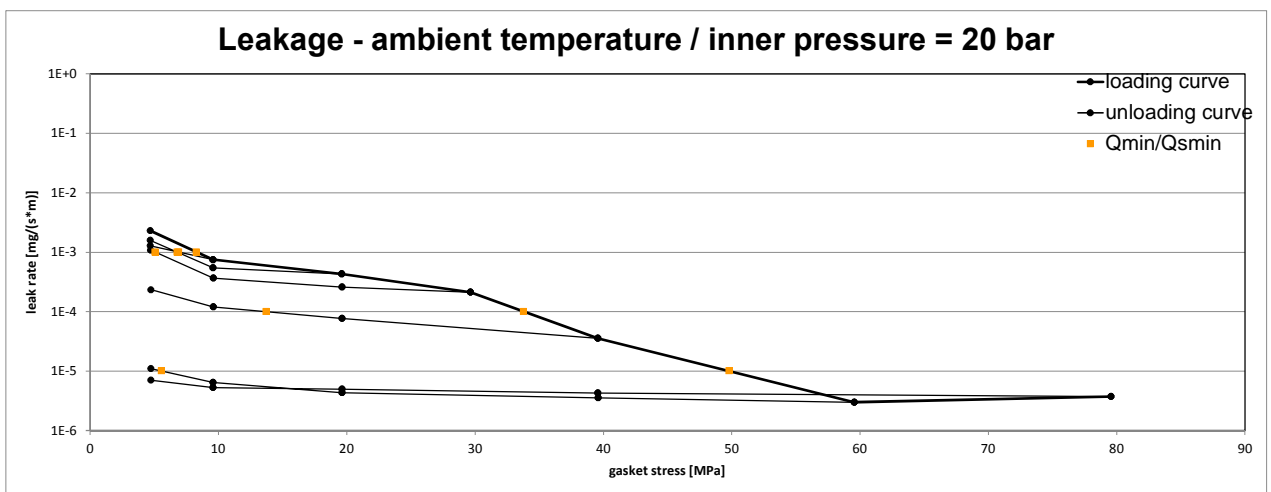


Company Address	W. L. Gore & Associates GmbH, Hermann-Oberth-Strasse 22, 85640 Putzbrunn, Germany	According to DIN EN 13555 2014-07
Gasket Type	GORE® Universal Pipe Gasket (Style 800)	
Sealing element dimensions [mm]	92 x 49 x 1.5	

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	30				7	5	5				
10 ⁻⁵	45					5	5				



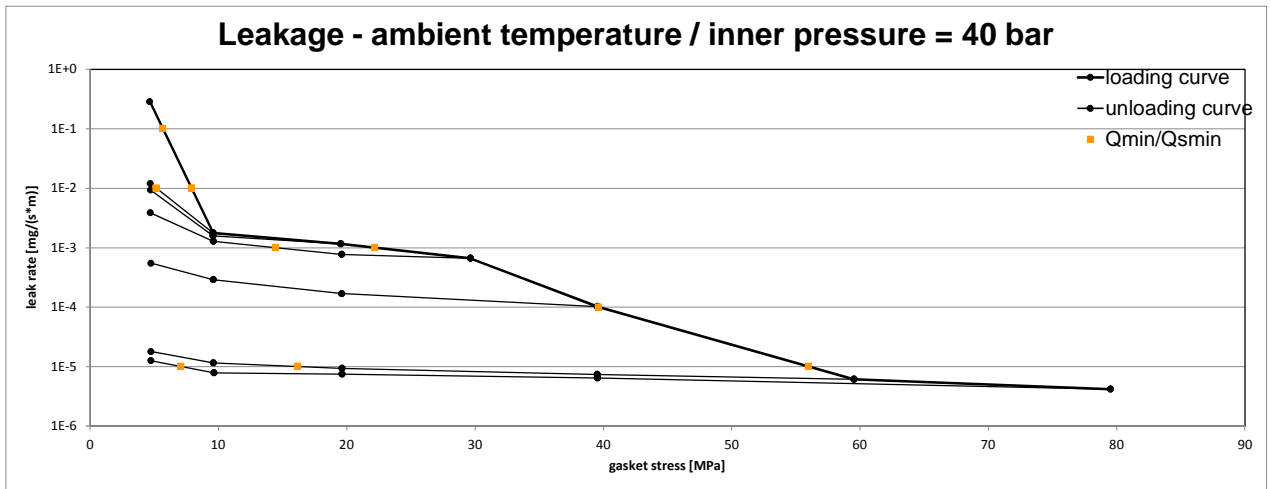
L [mg/(s*m)]	Q _{minL} [MPa]	Minimum stress to seal Q _{minL} (at assembly), Q _{SminL} (after off-loading) for p = 20 bar									
		Q _{SminL} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa				
10 ⁰	5	5	5	5	5	5	5				
10 ⁻¹	5	5	5	5	5	5	5				
10 ⁻²	5	5	5	5	5	5	5				
10 ⁻³	8	7	7	5	5	5	5				
10 ⁻⁴	34				14	5	5				
10 ⁻⁵	50					6	5				



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 3 Creation date of this sheet: 2016-02-02

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 1.5	

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 = 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	6	5	5	5	5	5	5		
10 ⁻²	8	5	5	5	5	5	5		
10 ⁻³	22			14	5	5	5		
10 ⁻⁴	40					5	5		
10 ⁻⁵	56					16	7		



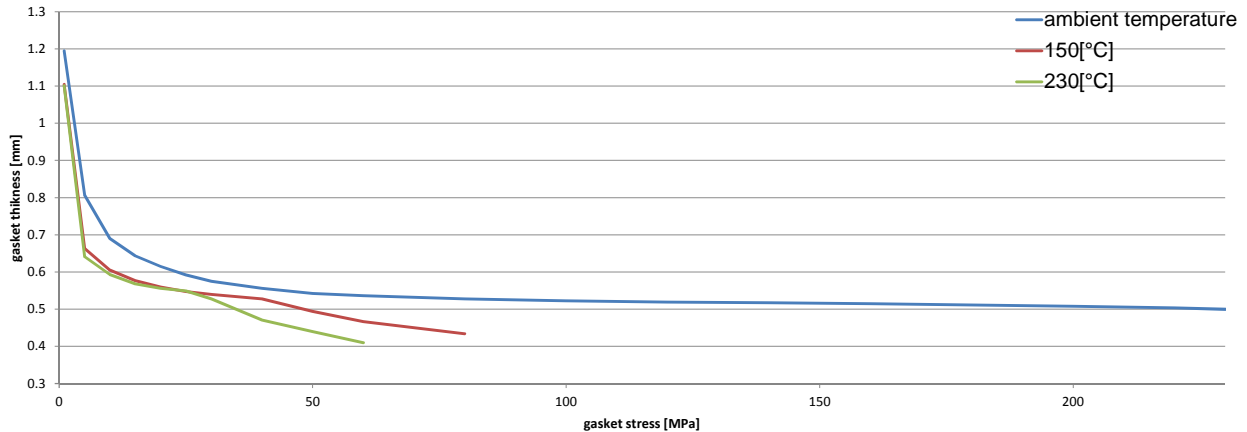
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Company Address	W. L. Gore & Associates GmbH, Hermann-Oberth-Strasse 22, 85640 Putzbrunn, Germany	According to DIN EN 13555 2014-07
Gasket Type	GORE® Universal Pipe Gasket (Style 800)	
Sealing element dimensions [mm]	92 x 49 x 1.5	

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]	0.84	0.012	0.59	0.035	0.46	0.046
Stress level 2 [20 MPa]	0.92	0.015	0.76	0.037	0.78	0.032
Stress level 3 [30 MPa]	0.96	0.010	0.90	0.026	0.81	0.050
Stress level 4 [50 MPa]	0.98	0.009	0.85	0.062	0.78	0.092
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}						
P_{QR} at Q_{Smax}	0.99	0.004	0.85	0.116	0.78	0.113
Q_{Smax}	230 MPa		90 MPa		60 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		1.553		1.564		1.582
1		1.195		1.105		1.102
5	71	0.807	72	0.664	81	0.641
10	155	0.690	163	0.605	180	0.593
15	280	0.644	306	0.577	315	0.568
20	373	0.615	479	0.559	509	0.556
25	464	0.592	705	0.547	716	0.549
30	581	0.575	988	0.539	818	0.528
40	872	0.556	1497	0.528	1152	0.471
50	1014	0.543	2269	0.494	1672	0.439
60	1665	0.536	2574	0.466	2184	0.410
80	2822	0.528	5096	0.434		
100	3434	0.522				
120	4675	0.519				
140	5848	0.517				
160	5305	0.515				
180	5781	0.512				
200	5130	0.507				
220	4832	0.503				
230	4062	0.500				

Gasket thickness e_G



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