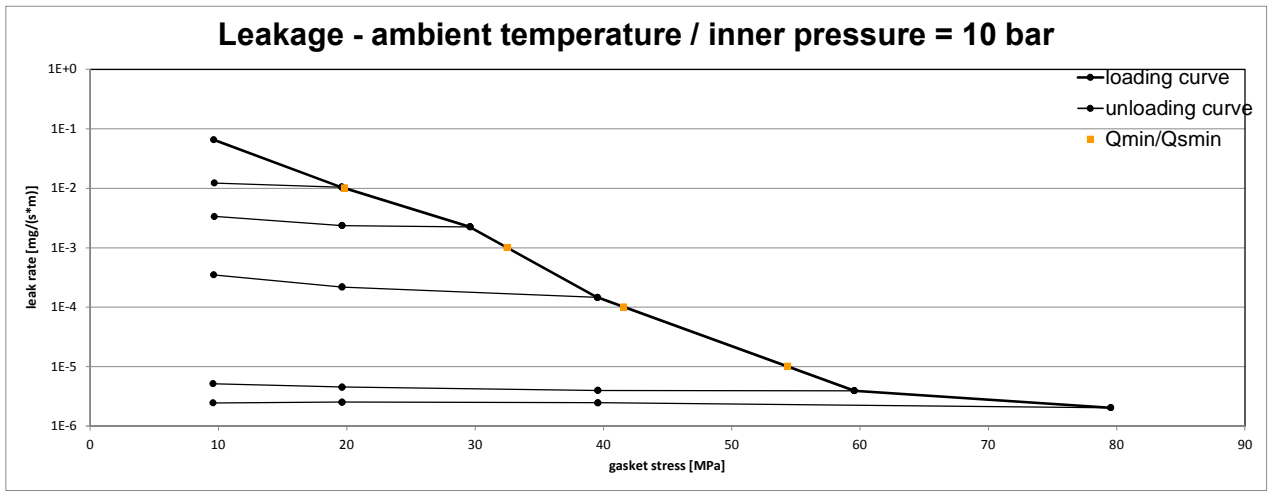
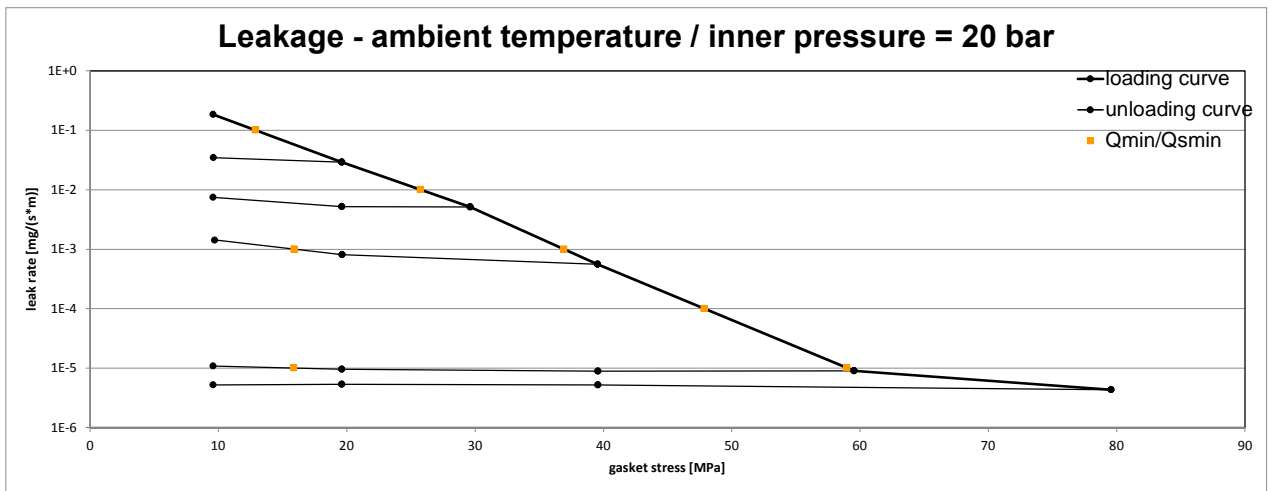


Company Address	W. L. Gore & Associates GmbH, Hermann-Oberth-Strasse 22, 85640 Putzbrunn, Germany	According to DIN EN 13555 2014-07
Gasket Type	GORE® GR Sheet Gasketing	
Sealing element dimensions [mm]	92 x 49 x 1.5	

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 = 10 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 ⁻⁹	10	10	10	10	10	10			
10 ⁻¹	10	10	10	10	10	10					
10 ⁻²	20		10	10	10	10					
10 ⁻³	33			10	10	10					
10 ⁻⁴	42				10	10					
10 ⁻⁵	54				10	10					



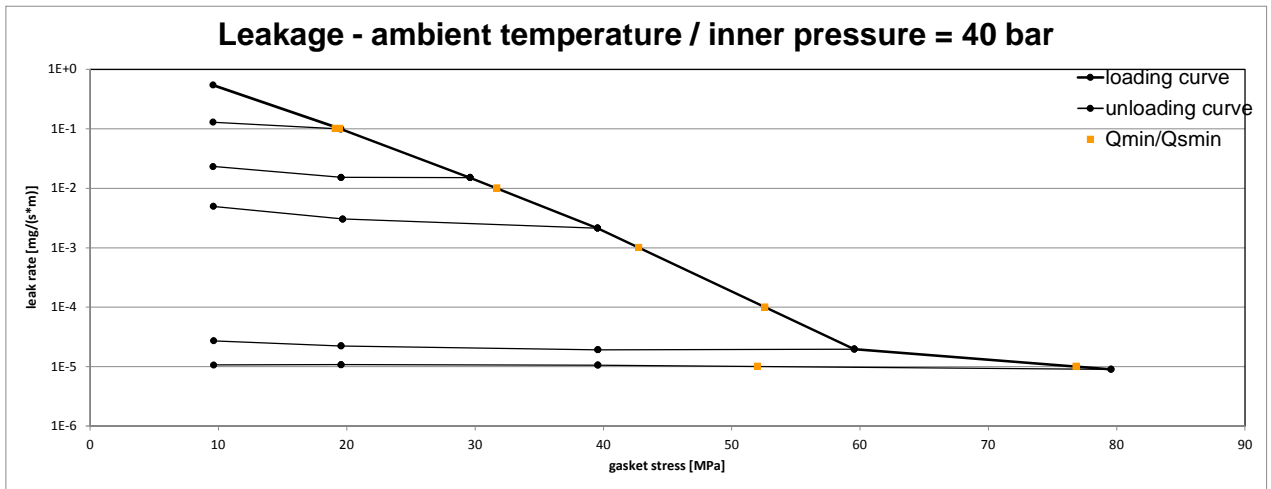
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 20 bar					Q _{Smin/L} [MPa]				
		Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa					
		10 ⁻⁹	10	10	10	10	10	10			
10 ⁻¹	13	10	10	10	10	10					
10 ⁻²	26		10	10	10	10					
10 ⁻³	37			16	10	10					
10 ⁻⁴	48				10	10					
10 ⁻⁵	59				16	10					



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® GR Sheet Gasketing	
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 = 40 bar					Q _{SminL} [MPa]				
		Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa					
10 ⁰	10	10	10	10	10	10					
10 ⁻¹	19	19	10	10	10	10					
10 ⁻²	32			10	10	10					
10 ⁻³	43			10	10	10					
10 ⁻⁴	53				10	10					
10 ⁻⁵	77					52					



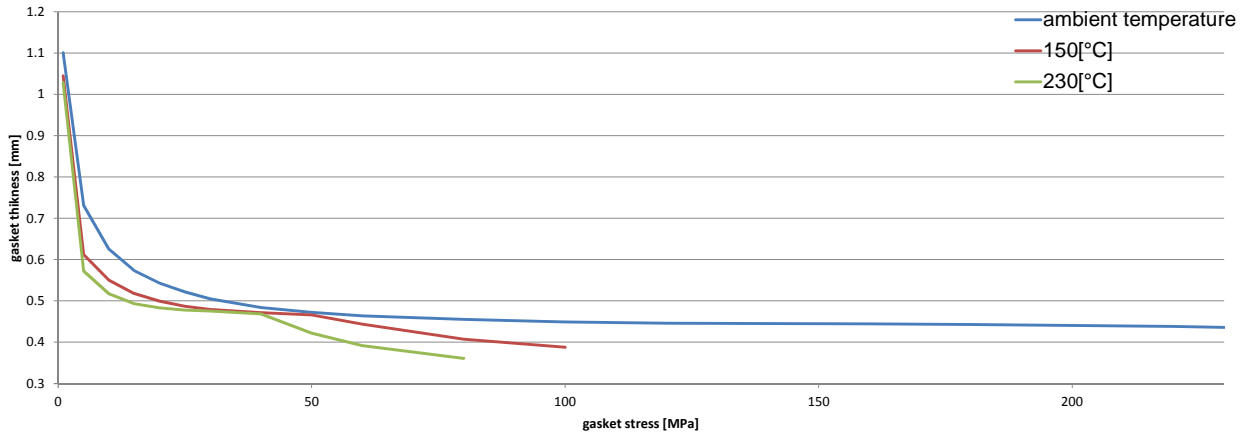
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Company Address	W. L. Gore & Associates GmbH, Hermann-Oberth-Strasse 22, 85640 Putzbrunn, Germany	According to DIN EN 13555 2014-07
Gasket Type	GORE® GR Sheet Gasketing	
Sealing element dimensions [mm]	92 x 49 x 1.5	

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 [20 MPa]	0.90	0.019	0.61	0.066	0.58	0.070
Stress level 2 [30 MPa]	0.94	0.015	0.87	0.034	0.89	0.027
Stress level 3 [50 MPa]	0.98	0.010	0.96	0.016	0.86	0.061
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}						
P_{QR} at Q_{Smax}	1.00	0.002	0.90	0.096	0.85	0.104
Q_{Smax}	230 MPa		110 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		1.347		1.334		1.339
1		1.101		1.045		1.029
5	74	0.732	66	0.613	69	0.573
10	128	0.626	148	0.550	160	0.517
15	225	0.574	275	0.518	313	0.493
20	362	0.543	458	0.499	546	0.483
25	482	0.522	694	0.487	755	0.478
30	582	0.505	1019	0.480	1066	0.475
40	771	0.484	1698	0.472	1296	0.468
50	1199	0.472	2141	0.466	1701	0.422
60	1609	0.464	2955	0.444	2235	0.392
80	2455	0.455	4089	0.407	4004	0.361
100	3126	0.449	6405	0.388		
120	4265	0.446				
140	5668	0.445				
160	7079	0.444				
180	7474	0.443				
200	7462	0.440				
220	7168	0.438				
230	6802	0.436				

Gasket thickness e_G



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

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Creation date of this sheet:

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