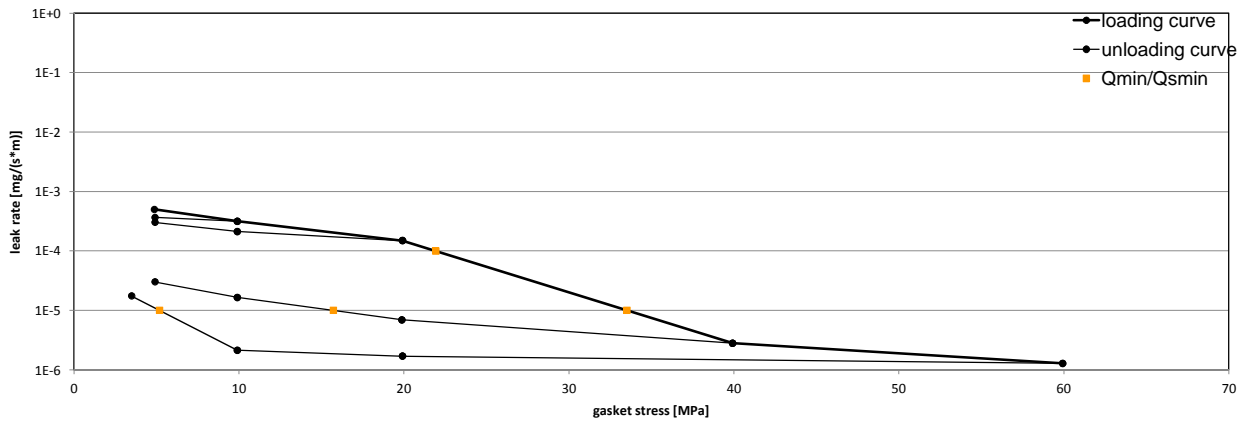


Company Address	W.L. Gore & Associates GmbH, Hermann-Oberth-Str. 22, 85640 Putzbrunn, Germany
Gasket Type	GORE® Universal Pipe Gasket (Style 800)
Sealing element dimensions [mm]	92 x 49 x 1,5

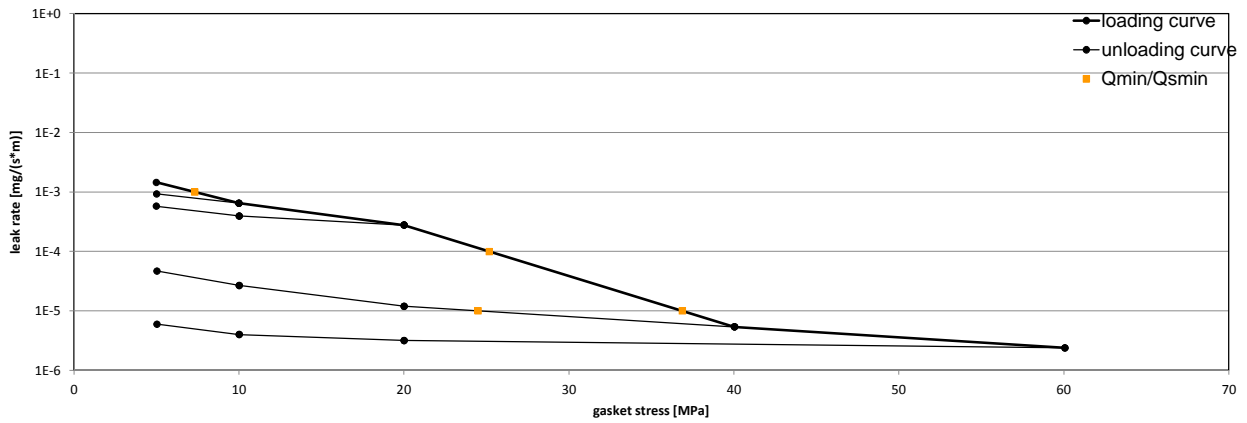
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar					
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa		
10 ⁰	5	5	5	5	3		
10 ⁻¹	5	5	5	5	3		
10 ⁻²	5	5	5	5	3		
10 ⁻³	5	5	5	5	3		
10 ⁻⁴	22			5	3		
10 ⁻⁵	34			16	5		
10 ⁻⁶							
10 ⁻⁷							
10 ⁻⁸							

Leakage - ambient temperature / inner pressure = 10 bar



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 _A = 10 MPa	Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa		
10 ⁰	5	5	5	5	5		
10 ⁻¹	5	5	5	5	5		
10 ⁻²	5	5	5	5	5		
10 ⁻³	7	5	5	5	5		
10 ⁻⁴	25			5	5		
10 ⁻⁵	37			25	5		
10 ⁻⁶							
10 ⁻⁷							
10 ⁻⁸							

Leakage - ambient temperature / inner pressure = 20 bar



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

Rev - No: 1

Creation date of this sheet:

04.06.2012

page 1 of 3

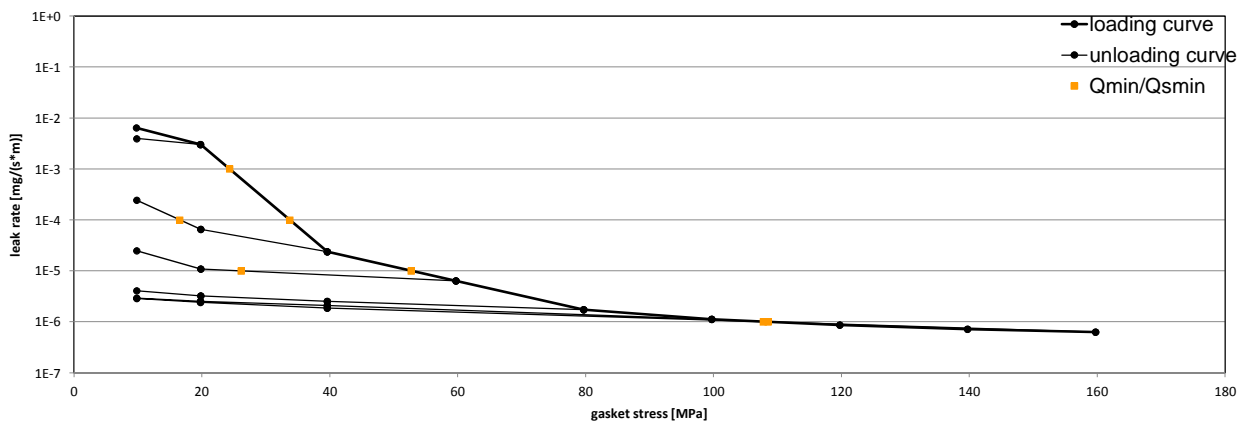


Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

Company Address	W.L. Gore & Associates GmbH, Hermann-Oberth-Str. 22, 85640 Putzbrunn, Germany
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 = 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	10	10	10	10	10	10			10	
10 ⁻¹	10	10	10	10	10	10			10	
10 ⁻²	10	10	10	10	10	10			10	
10 ⁻³	24		10	10	10	10			10	
10 ⁻⁴	34		17	10	10	10			10	
10 ⁻⁵	53			26	10	10			10	
10 ⁻⁶	109								108	
10 ⁻⁷										
10 ⁻⁸										

Leakage - ambient temperature / inner pressure = 40 bar



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

Rev - No: 1

Creation date of this sheet:

04.06.2012

page 2 of 3



Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

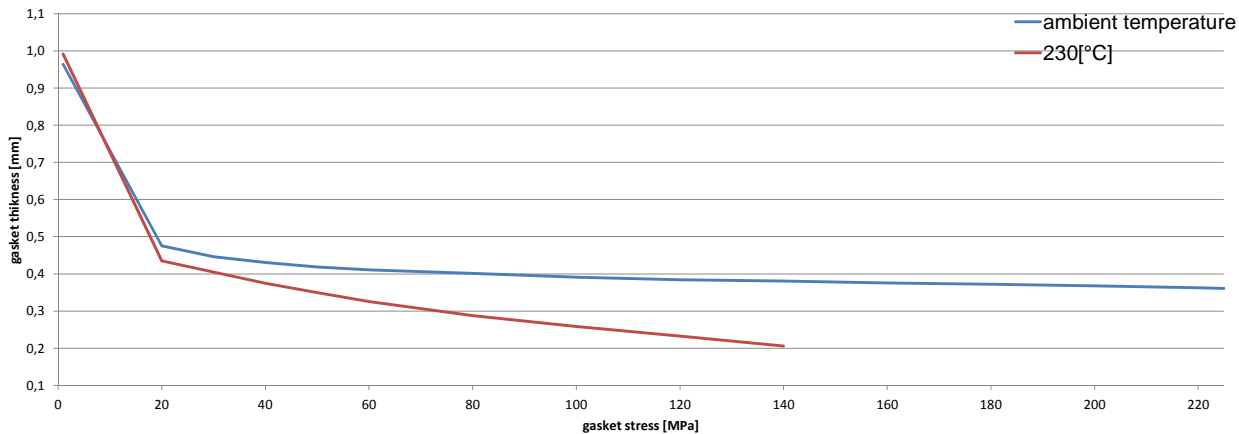
Company Address	W.L. Gore & Associates GmbH, Hermann-Oberth-Str. 22, 85640 Putzbrunn, Germany
Gasket Type	GORE® Universal Pipe Gasket (Style 800)
Sealing element dimensions [mm]	92 x 49 x 1,5

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm				
Gasket stress [MPa]	ambient temperature	temperature 1 [150 °C]	temperature 2 [230 °C]	
Stress level 1 [10 MPa]	0,71	0,55		
Stress level 2 [30 MPa]	0,94	0,87	0,84	
PQR at Q_{Smax}	1,00 at 225 MPa		0,75 at 150 MPa	

Maximal applicable gasket stress Q_{Smax}			
Q_{Smax} [MPa]		Q_{Smax} [MPa] – temperature 2	
ambient temperature		[230 °C]	
225		150	

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]					
Gasket stress [MPa]	ambient temperature		temperature 2 [230 °C]		
	E_G [MPa]	e_G [mm]		E_G [MPa]	e_G [mm]
0					
1		0,964			0,992
20	344	0,475		527	0,435
30	517	0,446		811	0,405
40	698	0,431		774	0,375
50	878	0,419		780	0,350
60	1110	0,411		868	0,326
80	1335	0,401		939	0,288
100	1224	0,391		986	0,259
120	1381	0,384		1186	0,233
140	1720	0,381		837	0,206
160	1767	0,376			
180	1915	0,372			
200	2055	0,368			
220	2009	0,363			
225	1964	0,361			

Gasket thickness e_G



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

Rev - No: 1

Creation date of this sheet:

04.06.2012

page 3 of 3

