

Company Address	W.L. Gore & Associates GmbH, Hermann-Oberth-Str. 22, D-85640 Putzbrunn
Gasket Type	GORE™ GR Sheet Gasketing
Thickness e _{GO} [mm]	1,6

Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar									
L [mg/(s*m)]	Q _{min/L} [MPa]	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	17	<10	<10	<10	<10	<10			<10
10 ⁻²	27		<10	<10	<10	<10			<10
10 ⁻³	37		25	<10	<10	<10			<10
10 ⁻⁴	51			<10	<10	<10			<10
10 ⁻⁵	71				20	11			<10
10 ⁻⁶									
10 ⁻⁷									
10 ⁻⁸									

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 [30 MPa]	0,95	0,85	0,77
Stress level 2 [xx MPa]			
Q _{Smax} [120 MPa] ¹⁾			0,60

¹⁾ measured with 3,2mm gasket thickness

Maximal applicable gasket stress Q _{Smax}		
Q _{Smax} [MPa] – ambient temperature	Q _{Smax} [MPa] – temperature 1 [230°C]	Q _{Smax} [MPa] – temperature 2 [xx °C]
>225	120 ²⁾	

²⁾ resulting from P_{QR} test with 3,2mm gasket thickness

Sekant unloading modulus of the gasket E _G [MPa]			
Gasket stress [MPa]	ambient temperature	temperature 1 [230°C]	temperature 2 [xx °C]
20	286	561	
30	457	531	
40	641	669	
50	728	669	
60	1170	1002	
80	1418	773	
100	1439	728	
120	1531	695	
140	1462		
160	1411		
180	1622		
200	1670		
220	1634		
225	1601		