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

Minimum stress to seal $\mathbf{Q_{min/L}}$ (at assembly), $\mathbf{Q_{Smin/L}}$ (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}	14	<10	<10	<10	<10	<10			<10
10^{-2}	23		<10	<10	<10	<10			<10
10^{-3}	30		<10	<10	<10	<10			<10
10^{-4}	38		20	<10	<10	<10			<10
10^{-5}	66				35	23			17
10^{-6}									
10^{-7}									
10^{-8}									

Relaxation ratio $\mathbf{P_{QR}}$ for stiffness **C** = 500 kN/mm			
Gasket stress [MPa]	ambient temperature	temperature 1 [150°C]	temperature 2 [230°C]
Stress level 1 [30 MPa]	0,93	0,79	0,58
Stress level 2 [xx MPa]			
Q_{Smax} [80 MPa] 1)			0,43
1) measured with 3,2mm gasket thickness			

Maximal applicable gasket stress $\mathbf{Q_{smax}}$		
Q_{Smax} [MPa] – ambient temperature	Q_{Smax} [MPa] – temperature 1 [230°C]	Q_{Smax} [MPa] – temperature 2 [*xx* °C]
>225	80 2)	
2) resulting from P_{QR} test with 3,2mm gasket thickness		

Sekant unloading modulus of the gasket $\mathbf{E_G}$ [MPa]			
Gasket stress [MPa]	ambient temperature	temperature 1 [230°C]	temperature 2 [*xx* °C]
20	398	391	
30	474	624	
40	517	836	
50	817	683	
60	1018	797	
80	1265	699	
100	1421		
120	1848		
140	1944		
160	1943		
180	2075		
200	1971		
220	1874		
225	1832		

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

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