Company Address	*W.L. Gore & Associates GmbH, Hermann-Oberth-Str. 22, D-85640 Putzbrunn*
Gasket Type	*GORE™ Universal Pipe Gasket (Style 800)*
Thickness e_{GO} [mm]	*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}	<10	<10	<10	<10	<10	<10			<10
10^{-2}	<10	<10	<10	<10	<10	<10			<10
10^{-3}	28		23	<10	<10	<10			<10
10^{-4}	50			15	<10	<10			<10
10^{-5}	70				23	<10			<10
10^{-6}	138								138
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 [20 MPa]	0,82	0,44	0,38
Stress level 2 [xx MPa]			
Q_{Smax} [xx MPa]			

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	100 [1)]	

[1)] not validated by P_{QR} test

Sekant unloading modulus of the gasket $\mathbf{E_G}$ [MPa]			
Gasket stress [MPa]	ambient temperature	temperature 1 [230°C]	temperature 2 [*xx* °C]
20	391	427	
30	663	643	
40	957	764	
50	1283	948	
60	1452	1115	
80	1998	1205	
100	3142	1438	
120	2845		
140	2891		
160	2923		
180	3081		
200	2992		
220	3147		
225	2972		

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

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