

Company Address	W.L. Gore & Associates GmbH, Hermann-Oberth-Str. 22, D-85640 Putzbrunn
Gasket Type	GORE™ GR Sheet Gasketing
Thickness e_{GO} [mm]	6,4

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}	13	<10	<10	<10	<10	<10			<10
10^{-1}	25		<10	<10	<10	<10			<10
10^{-2}	38		20	<10	<10	<10			<10
10^{-3}	48			<10	<10	<10			<10
10^{-4}	59			47	<10	<10			<10
10^{-5}	89					71			40
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]	0,82	0,53	0,48
Stress level 2 [xx MPa]			
Q_{Smax} [xx MPa]			

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]
200	60 ¹⁾	
¹⁾ not validated by P_{QR} test		

Sekant unloading modulus of the gasket E_G [MPa]			
Gasket stress [MPa]	ambient temperature	temperature 1 [230°C]	temperature 2 [xx°C]
20	357	357	
30	591	634	
40	821	777	
50	1471	896	
60	1453	1250	
80	2085		
100	3108		
120	2890		
140	3243		
160	2860		
180	2804		
200	3318		
220			
225			

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

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