

Company Address	W.L. Gore & Associates GmbH, Hermann-Oberth-Str. 22, D-85640 Putzbrunn
Gasket Type	GORE™ GR Sheet Gasketing
Thickness $e_{GO}$ [mm]	3,2

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			
$10^{-1}$	21		<10	<10	<10	<10			
$10^{-2}$	32		<10	<10	<10	<10			
$10^{-3}$	44			<10	<10	<10			
$10^{-4}$	56			15	<10	<10			
$10^{-5}$	79				72	45			
$10^{-6}$									
$10^{-7}$									
$10^{-8}$									

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]	0,89	0,74	0,65
Stress level 2 [ xx MPa]			
$Q_{Smax}$ [120 MPa]			0,60

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	

Sekant unloading modulus of the gasket $E_G$ [MPa]			
Gasket stress [MPa]	ambient temperature	temperature 1 [230°C]	temperature 2 [ xx°C]
20	385	513	
30	567	527	
40	815	771	
50	1134	721	
60	1385	631	
80	1658	969	
100	2112	1164	
120	2247	1332	
140	2594		
160	2669		
180	2646		
200	2695		
220	2852		
225	3112		

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

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