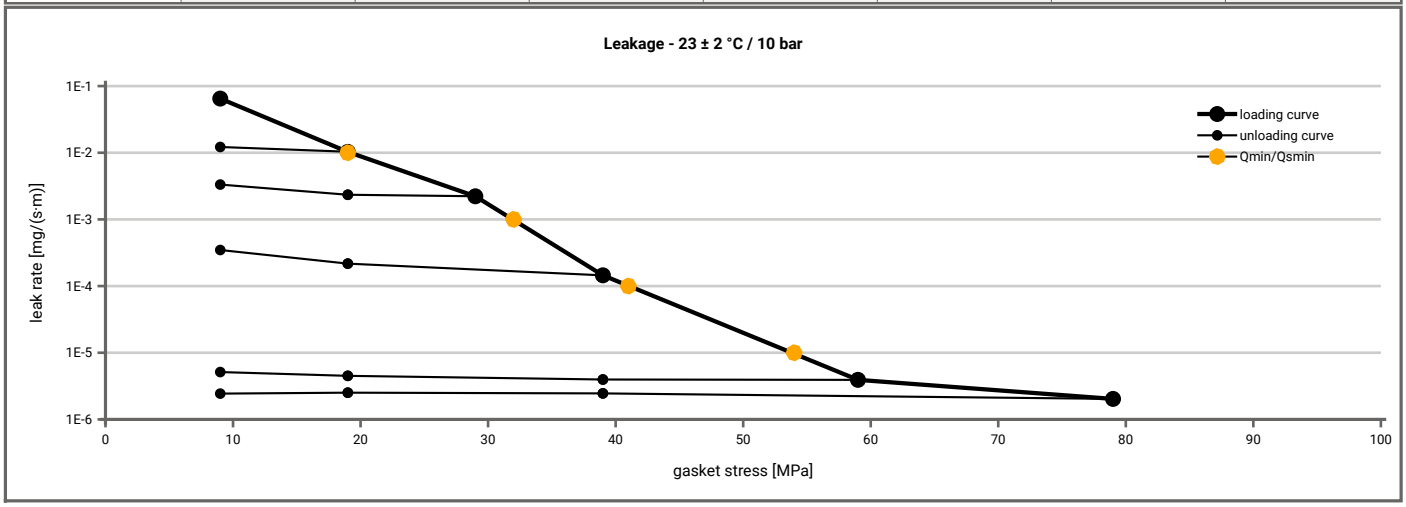
Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **DIN EN 13555 2014-7**
Product name	GORE® GR Sheet Gasketing	
Product dimensions	92 x 49 x 1.5 mm (DIN EN 1514-1 1997-8)	

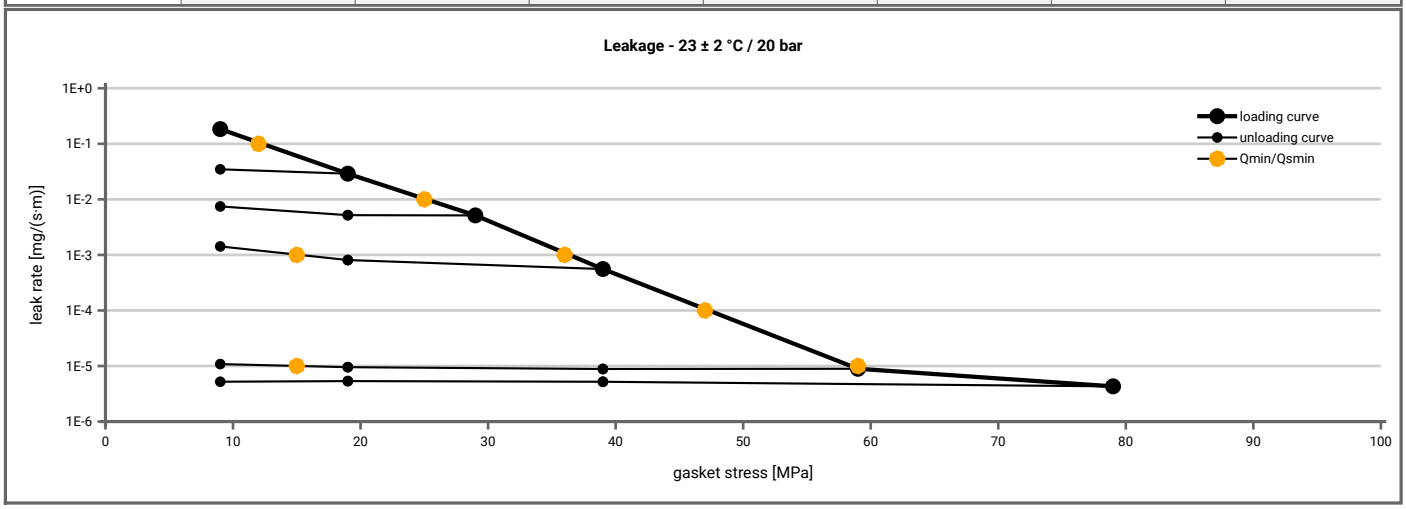
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 10 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]					
		Q_A = 9.6 [MPa]	Q_A = 20 [MPa]	Q_A = 30 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]
1E-0	10		10	10	10	10	10
1E-1	10		10	10	10	10	10
1E-2	20			10	10	10	10
1E-3	33				10	10	10
1E-4	42					10	10
1E-5	54					10	10
1E-6							
1E-7							



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 20 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]					
		Q_A = 9.6 [MPa]	Q_A = 20 [MPa]	Q_A = 30 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]
1E-0	10		10	10	10	10	10
1E-1	13		10	10	10	10	10
1E-2	26			10	10	10	10
1E-3	37				16	10	10
1E-4	48					10	10
1E-5	59					16	10
1E-6							
1E-7							

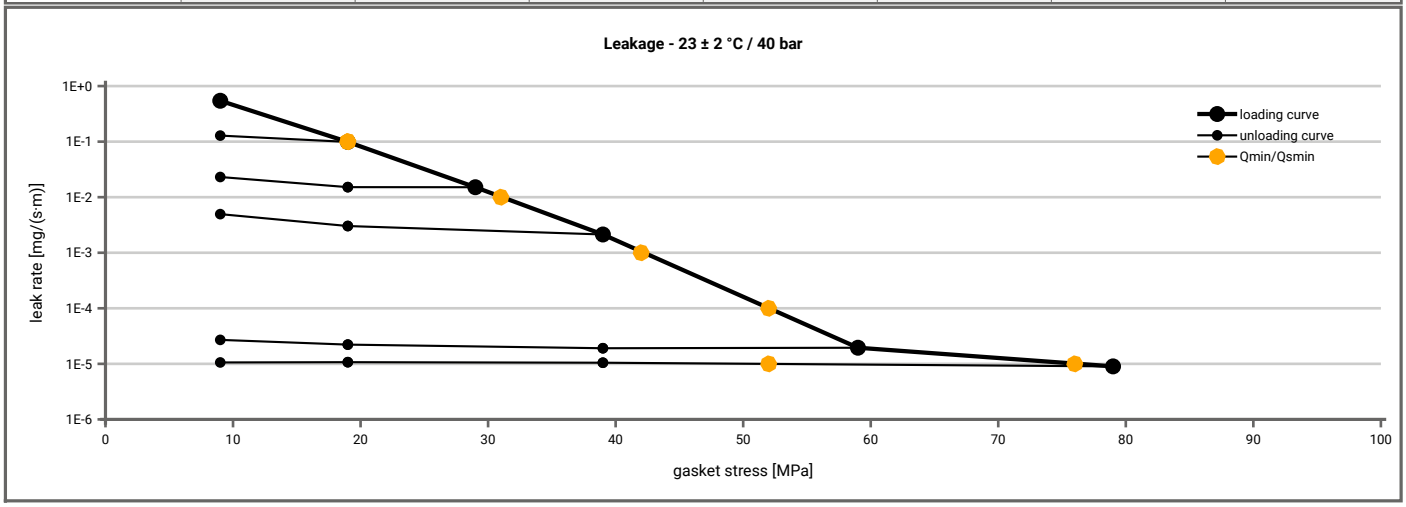


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **3**	Creation date of this sheet: **2022-08-17**

Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **DIN EN 13555 2014-7**
Product name	GORE® GR Sheet Gasketing	
Product dimensions	92 x 49 x 1.5 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]					
		Q_A = 9.6 [MPa]	Q_A = 20 [MPa]	Q_A = 30 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]
1E-0	10		10	10	10	10	10
1E-1	19		19	10	10	10	10
1E-2	32				10	10	10
1E-3	43					10	10
1E-4	53					10	10
1E-5	77						52
1E-6							
1E-7							



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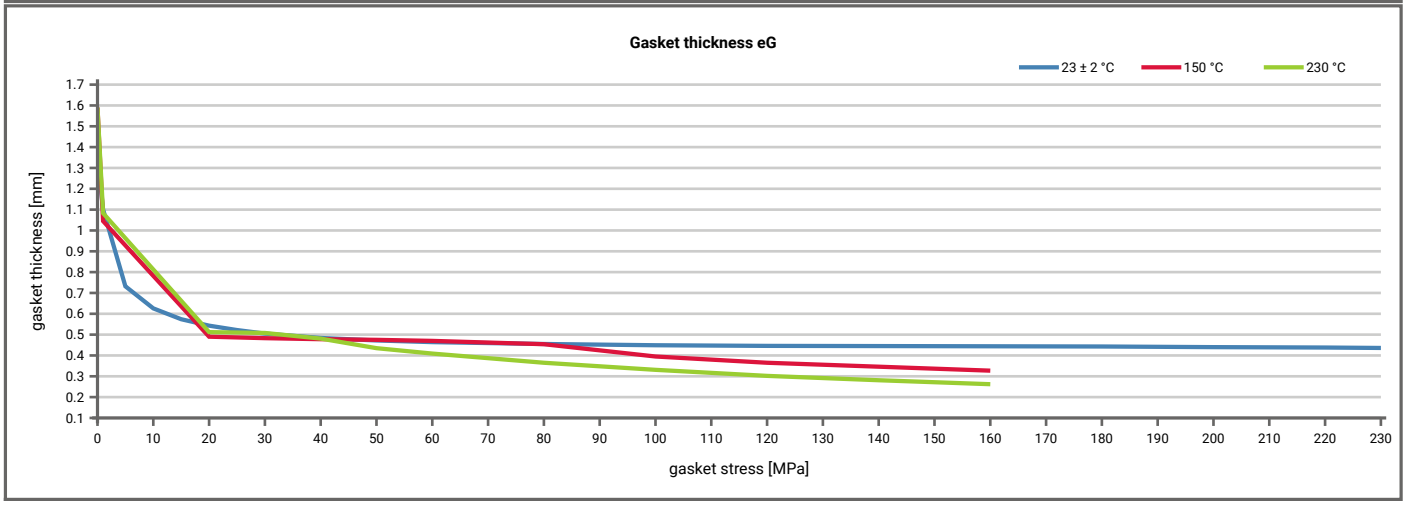
Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **DIN EN 13555 2014-7**
Product name	GORE® GR Sheet Gasketing	
Product dimensions	92 x 49 x 1.5 mm (DIN EN 1514-1 1997-8)	

Relaxation ratio P_{QR} for stiffness C = 500 [kN/mm]										
Gasket stress	**23 ± 2 °C**		**Temperature 1 [150 °C]**		**Temperature 2 [230 °C]**					
	P_{QR}	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**
Stress level 1 [20 MPa]	0.90	17	0.61	66	0.58	70				
Stress level 2 [30 MPa]	0.94	15	0.87	34	0.89	29				
Stress level 3 [50 MPa]	0.98	8	0.96	17	0.86	61				
Stress level 4 [80 MPa]					0.85	101				
Stress level 5 [110 MPa]			0.90	92						
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	1.00	10	0.68	436	0.83	235				
Q_{smax}	230 MPa		160 MPa		160 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	**23 ± 2 °C**		**Temperature 1 [150 °C]**		**Temperature 2 [230 °C]**					
	E_G [MPa]	**e_G [mm]**	**E_G [MPa]**	**e_G [mm]**	**E_G [MPa]**	**e_G [mm]**	**E_G [MPa]**	**e_G [mm]**	**E_G [MPa]**	**e_G [mm]**
0	0	1.347	0	1.590	0	1.590				
1	0	1.101	0	1.045	0	1.083				
5 / 20 / 20	75	0.732	485	0.490	669	0.512				
10 / 30 / 30	129	0.626	1292	0.483	1181	0.508				
15 / 40 / 40	225	0.574	1576	0.478	1197	0.481				
20 / 50 / 50	362	0.543	1837	0.475	1253	0.435				
25 / 60 / 60	483	0.522	2124	0.470	1276	0.409				
30 / 80 / 80	583	0.505	2163	0.454	1359	0.365				
40 / 100 / 100	771	0.484	2793	0.395	1520	0.331				
50 / 120 / 120	1199	0.472	2143	0.365	1491	0.302				
60 / 140 / 140	1610	0.464	2199	0.346	1608	0.281				
80 / 160 / 160	2455	0.455	2003	0.327	1472	0.262				
100	3126	0.449								
120	4265	0.446								
140	5668	0.445								
160	7079	0.444								
180	7474	0.443								
200	7462	0.440								
220	7168	0.438								
230	6802	0.436								



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