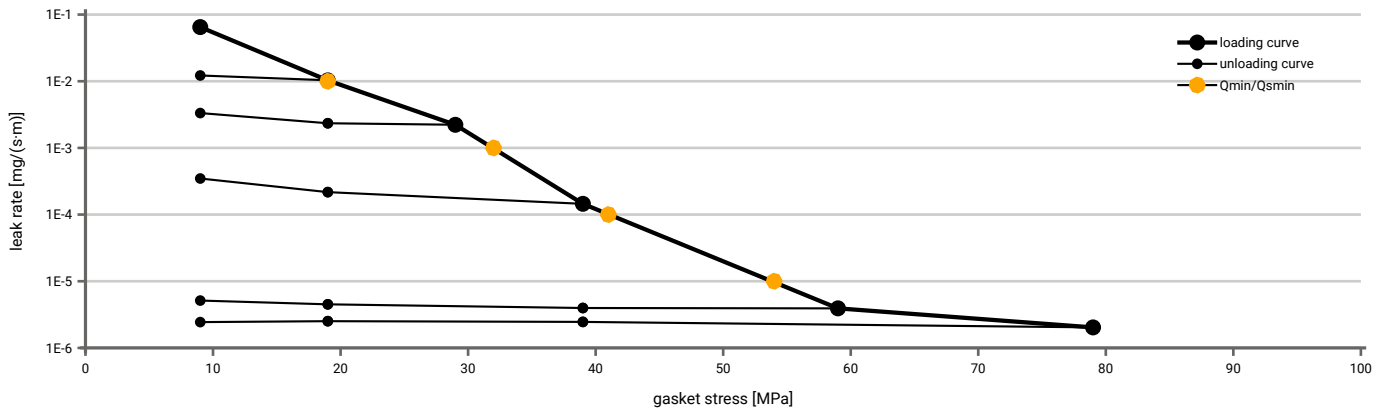
Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **DIN EN 13555 2014-7**
Product name	GORE® GR Sheet Gasketing	
Product dimensions	92 x 49 x 1.5 mm (DIN EN 1514-1 1997-8)	

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							
1E-8							

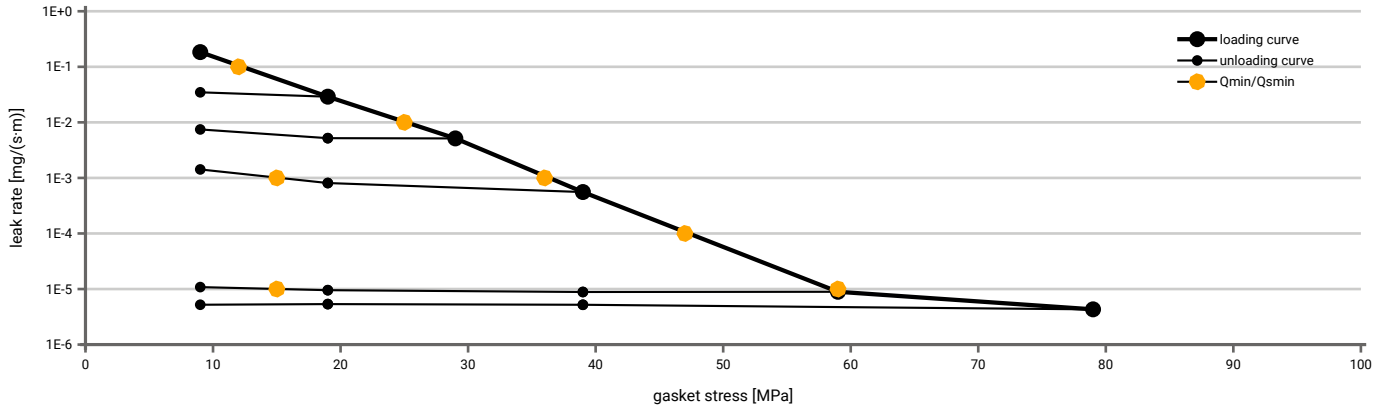
Leakage - 23 ± 2 °C / 10 bar



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							
1E-8							

Leakage - 23 ± 2 °C / 20 bar

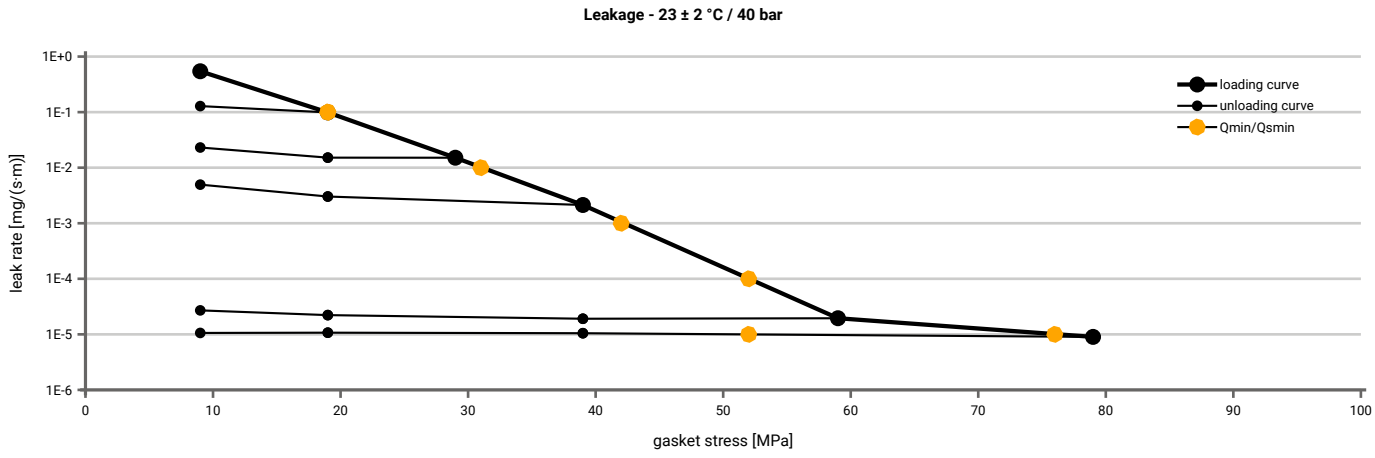


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **2**	Creation date of this sheet: **2016-02-02**

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							
1E-8							

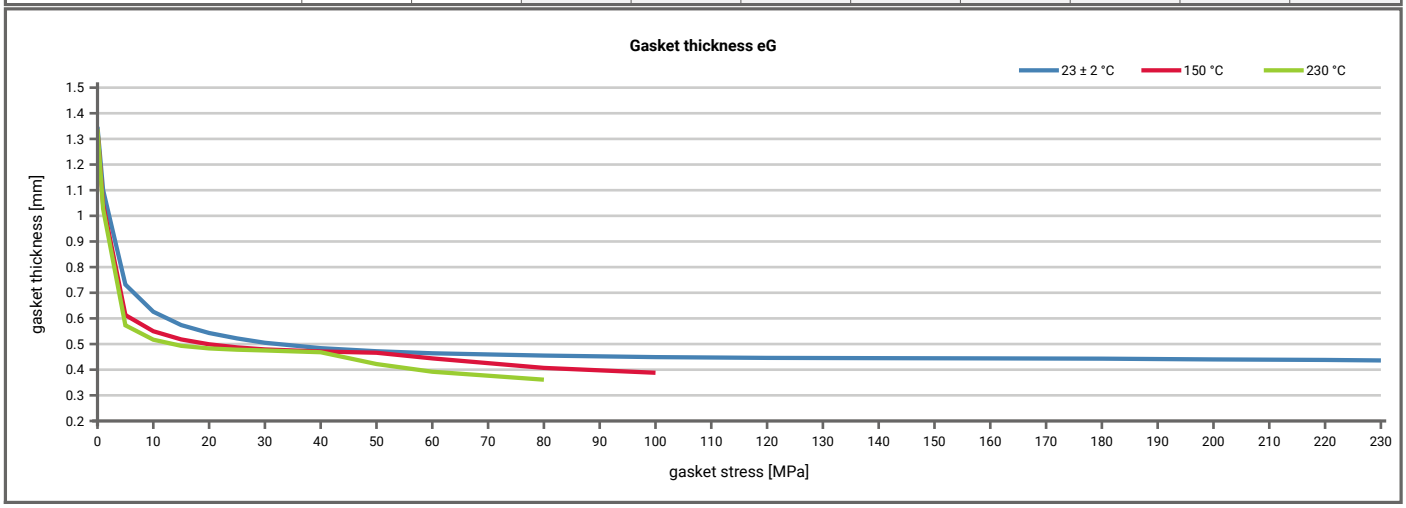


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **2**	Creation date of this sheet: **2016-02-02**

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				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	1.00	10	0.90	97	0.85	104				
Q_{smax}	230 MPa		110 MPa		80 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	1.333	0	1.339				
1	0	1.101	0	1.045	0	1.028				
5	75	0.732	66	0.613	70	0.573				
10	129	0.626	149	0.550	161	0.517				
15	225	0.574	276	0.518	313	0.493				
20	362	0.543	458	0.499	546	0.483				
25	483	0.522	694	0.487	756	0.478				
30	583	0.505	1019	0.479	1067	0.475				
40	771	0.484	1698	0.471	1296	0.468				
50	1199	0.472	2141	0.466	1701	0.422				
60	1610	0.464	2956	0.444	2235	0.392				
80	2455	0.455	4089	0.407	4004	0.361				
100	3126	0.449	6405	0.388						
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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