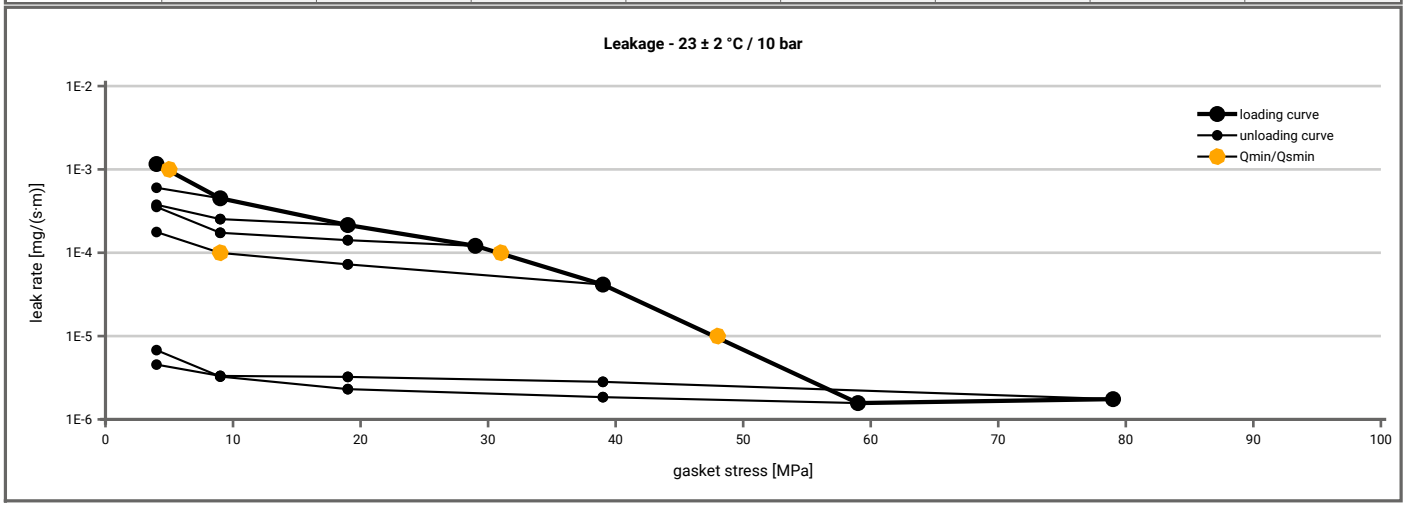
Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **DIN EN 13555 2014-7**
Product name	GORE® Universal Pipe Gasket (Style 800)	
Product dimensions	92 x 49 x 3 mm (DIN EN 1514-1 1997-8)	

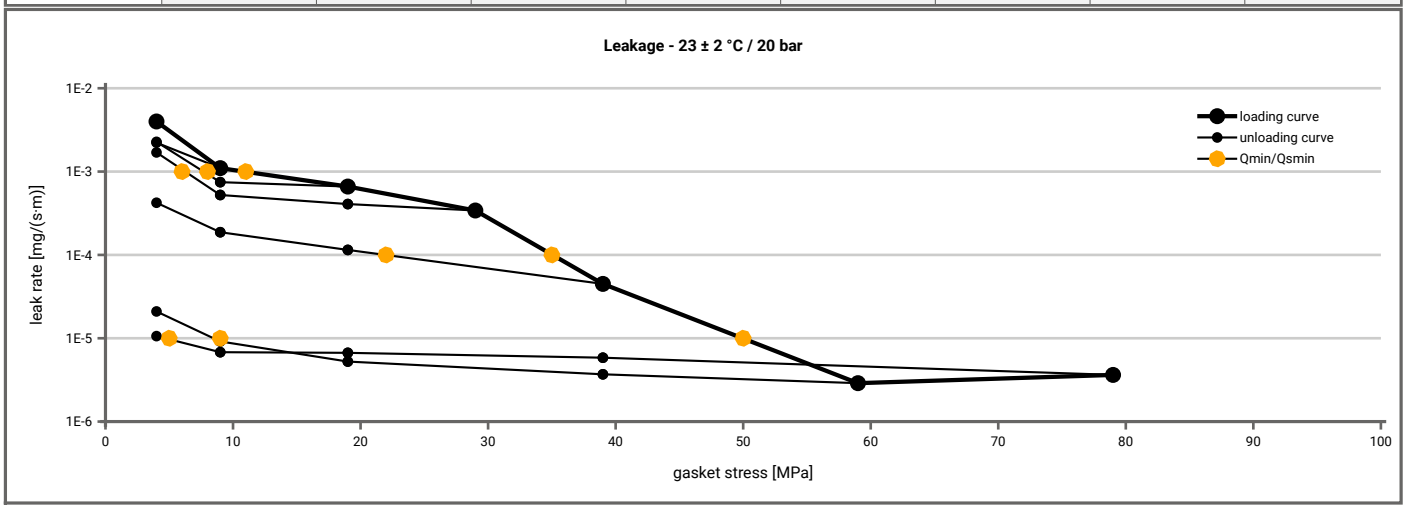
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 10 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]						
		Q_A = 4.7 [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	5		5	5	5	5	5	5
1E-1	5		5	5	5	5	5	5
1E-2	5		5	5	5	5	5	5
1E-3	5		5	5	5	5	5	5
1E-4	31					10	5	5
1E-5	48						5	5
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 = 4.6 [MPa]	Q_A = 9.5 [MPa]	Q_A = 20 [MPa]	Q_A = 30 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]
1E-0	5		5	5	5	5	5	5
1E-1	5		5	5	5	5	5	5
1E-2	5		5	5	5	5	5	5
1E-3	11			8	7	5	5	5
1E-4	36					23	5	5
1E-5	50						9	5
1E-6								
1E-7								

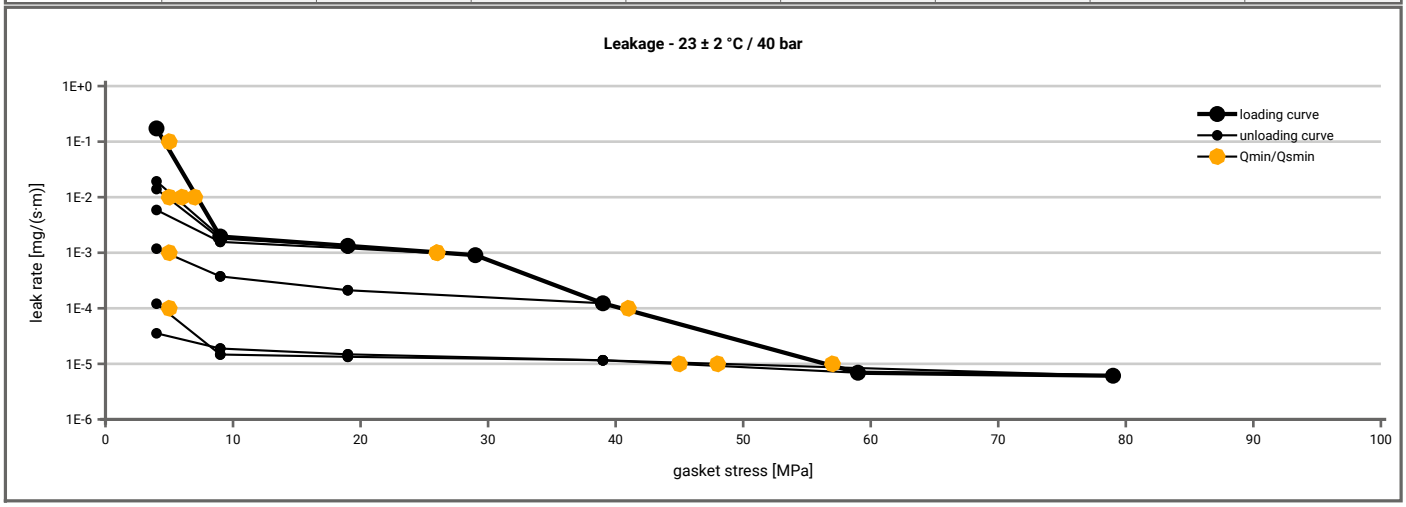


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **3**	Creation date of this sheet: **2022-08-17**

Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **DIN EN 13555 2014-7**
Product name	GORE® Universal Pipe Gasket (Style 800)	
Product dimensions	92 x 49 x 3 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 = 4.7 [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	5		5	5	5	5	5	5
1E-1	5		5	5	5	5	5	5
1E-2	8		6	6	5	5	5	5
1E-3	27				26	5	5	5
1E-4	41						5	5
1E-5	57						45	49
1E-6								
1E-7								



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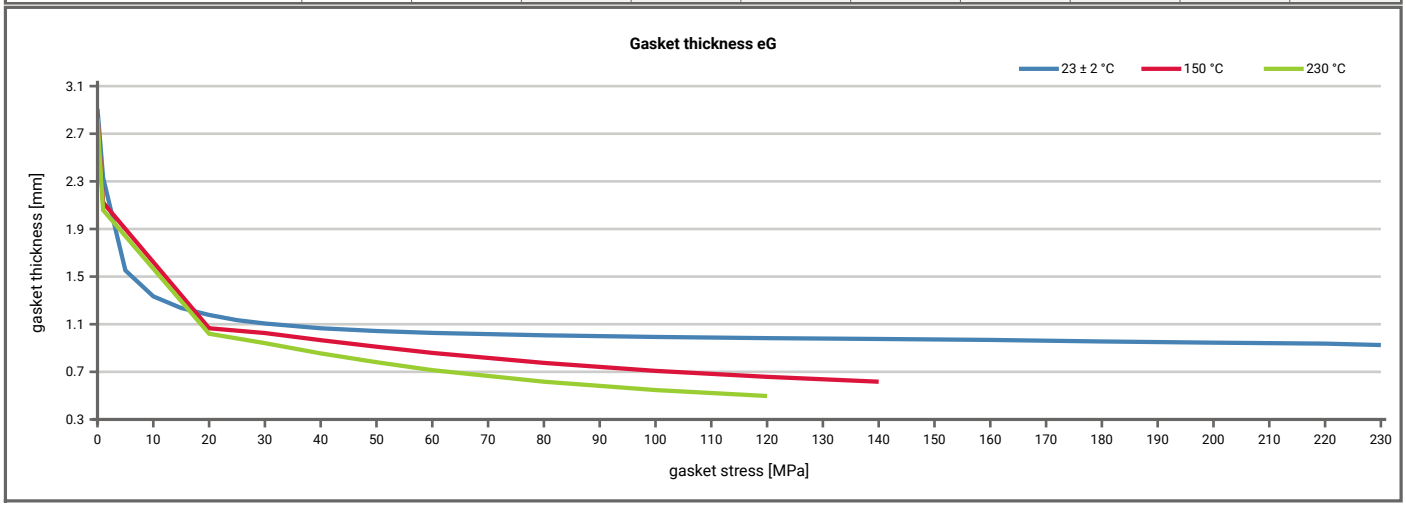
Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **DIN EN 13555 2014-7**
Product name	GORE® Universal Pipe Gasket (Style 800)	
Product dimensions	92 x 49 x 3 mm (DIN EN 1514-1 1997-8)	

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 [10 MPa]	0.77	19	0.44	47	0.36	54				
Stress level 2 [20 MPa]	0.86	23	0.59	69	0.49	86				
Stress level 3 [30 MPa]	0.92	20	0.79	54	0.69	79				
Stress level 4 [50 MPa]	0.96	17	0.76	103	0.65	149				
Stress level 5 [80 MPa]					0.62	255				
Stress level 6 [100 MPa]			0.73	227						
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.99	29	0.68	382	0.60	403				
Q_{smax}	230 MPa		140 MPa		120 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	2.909	0	2.850	0	2.835				
1	0	2.332	0	2.122	0	2.059				
5 / 20 / 20	65	1.552	533	1.066	473	1.020				
10 / 30 / 30	158	1.334	983	1.026	682	0.941				
15 / 40 / 40	276	1.236	1195	0.966	856	0.855				
20 / 50 / 50	407	1.178	1532	0.911	1064	0.781				
25 / 60 / 60	505	1.134	1652	0.859	1200	0.714				
30 / 80 / 80	774	1.106	2141	0.775	1522	0.617				
40 / 100 / 100	943	1.066	2221	0.708	1555	0.547				
50 / 120 / 120	1329	1.043	2579	0.658	1727	0.497				
60 / 140	1638	1.027	2559	0.617						
80	2233	1.007								
100	2985	0.993								
120	3337	0.983								
140	4078	0.976								
160	4499	0.968								
180	4279	0.955								
200	4794	0.945								
220	5476	0.937								
230	4729	0.925								



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