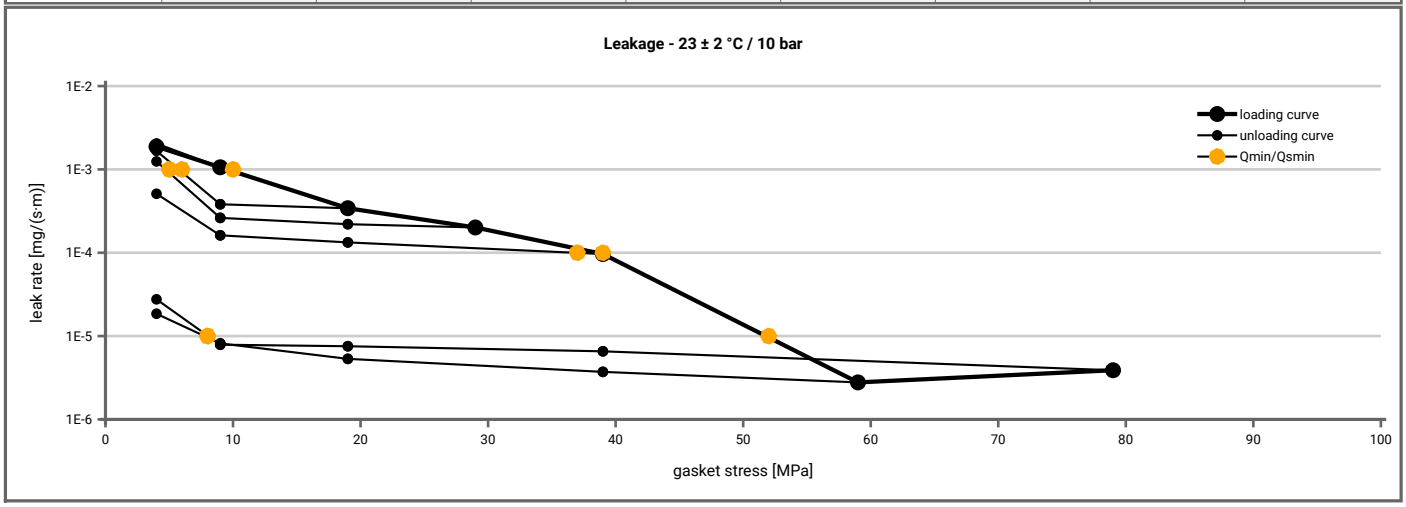
Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **EN 13555 2021-4**
Product name	GORE® Universal Pipe Gasket (Style 800)	
Product dimensions	92 x 49 x 6 mm	

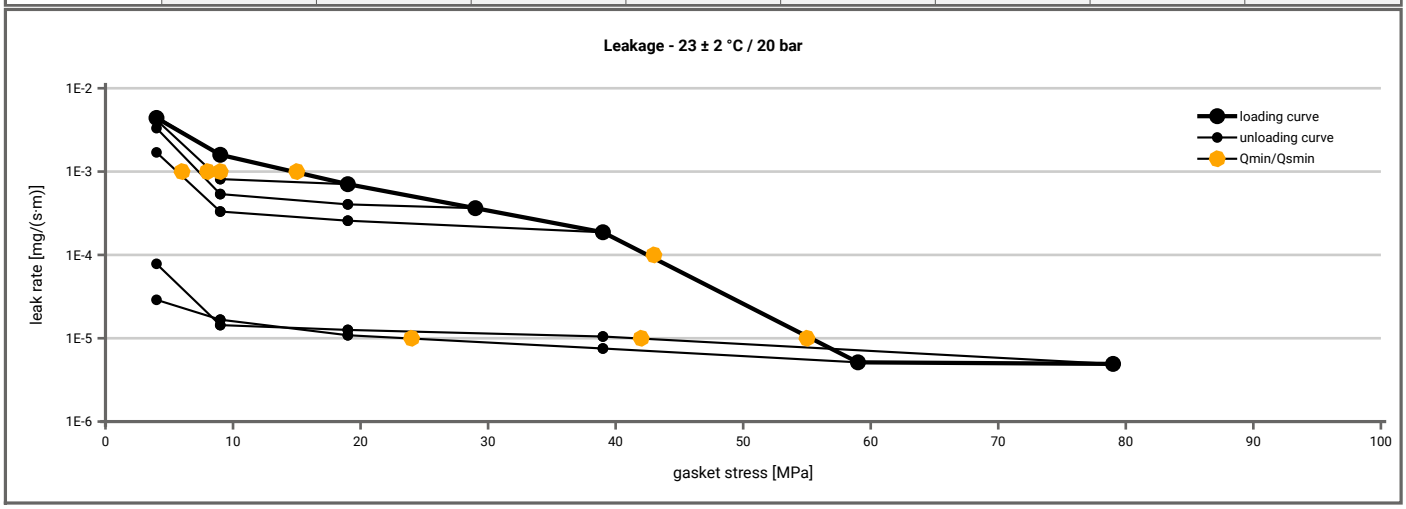
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 10 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]						
		Q_A = 4.6 [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	10			6	5	5	5	5
1E-4	39					37	5	5
1E-5	52						8	9
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 = 9.6 [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	15			9	8	6	5	5
1E-4	43						5	5
1E-5	56						24	42
1E-6								
1E-7								

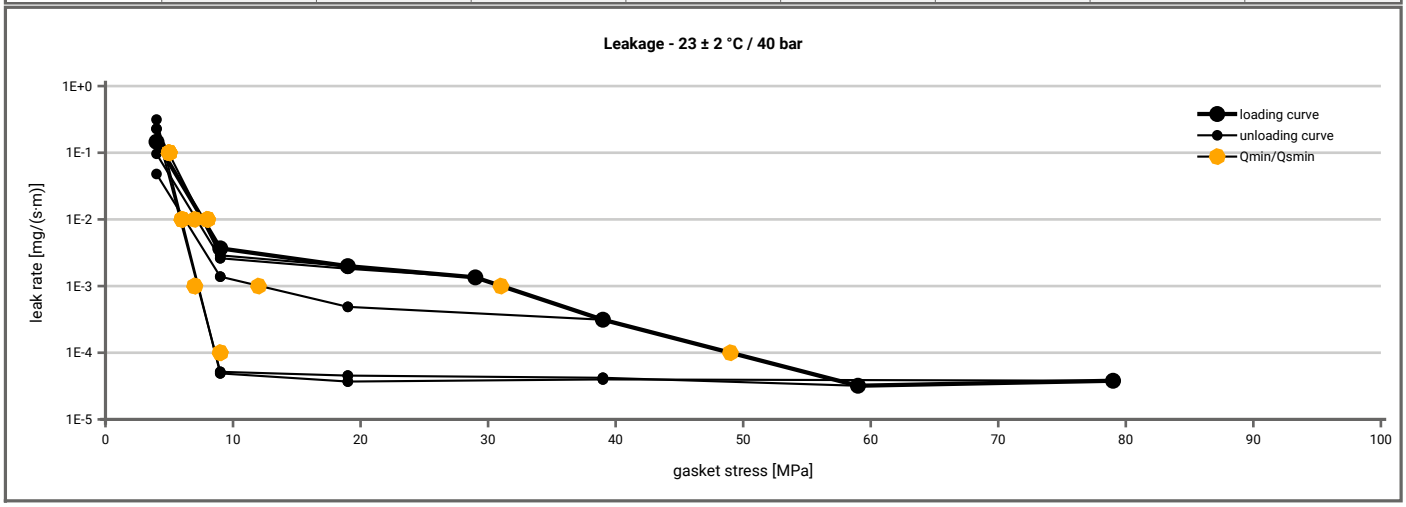


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **3**	Creation date of this sheet: **2023-06-27**

Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **EN 13555 2021-4**
Product name	GORE® Universal Pipe Gasket (Style 800)	
Product dimensions	92 x 49 x 6 mm	

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	6	5	5	5	5
1E-2	8		8	8	8	7	7	7
1E-3	32					13	8	8
1E-4	50						9	9
1E-5								
1E-6								
1E-7								

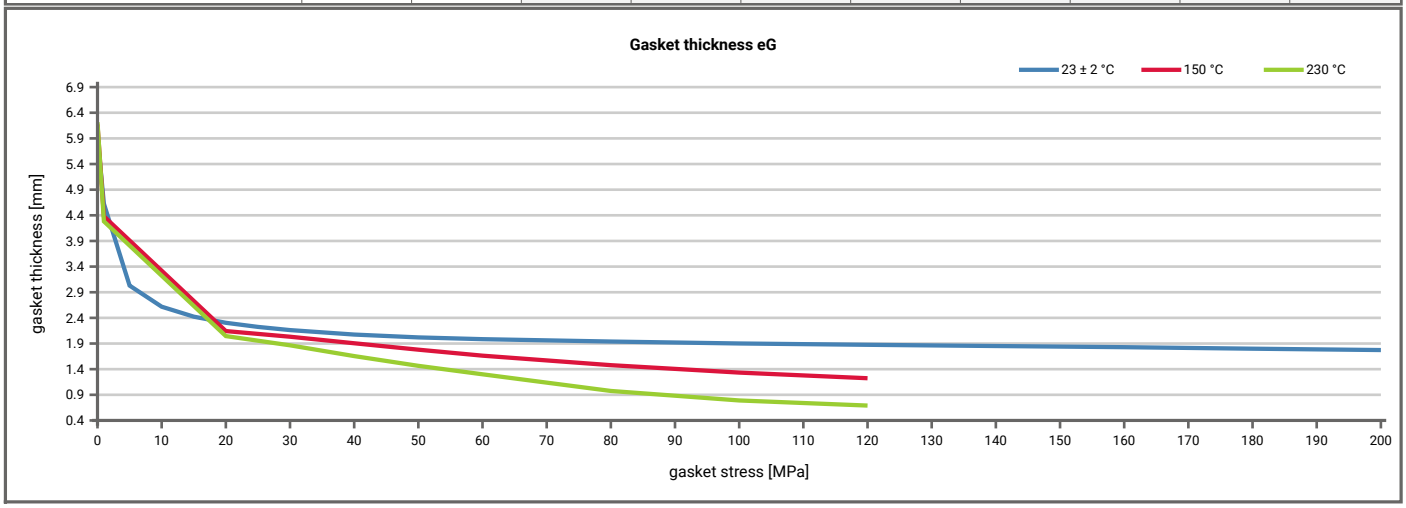


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **3**	Creation date of this sheet: **2023-06-27**

Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **EN 13555 2021-4**
Product name	GORE® Universal Pipe Gasket (Style 800)	
Product dimensions	92 x 49 x 6 mm	

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]	0.75	21	0.38	52	0.29	60				
Stress level 2 [20 MPa]	0.79	35	0.42	97	0.39	103				
Stress level 3 [30 MPa]	0.85	38	0.61	98	0.55	113				
Stress level 4 [50 MPa]	0.92	34	0.66	145						
Stress level 5 [80 MPa]					0.42	389				
Stress level 6 [90 MPa]			0.53	355						
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.97	50	0.58	428	0.40	604				
Q_{smax}	200 MPa		120 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	5.933	0	6.170	0	6.215				
1	0	4.626	0	4.380	0	4.282				
5 / 20 / 20	69	3.030	501	2.143	411	2.045				
10 / 30 / 30	161	2.618	840	2.033	630	1.865				
15 / 40 / 40	278	2.424	1123	1.905	828	1.655				
20 / 50 / 50	377	2.304	1357	1.780	1002	1.465				
25 / 60 / 60	576	2.224	1595	1.663	1203	1.300				
30 / 80 / 80	676	2.162	2127	1.478	1520	0.975				
40 / 100 / 100	949	2.075	2689	1.333	2107	0.790				
50 / 120 / 120	1254	2.019	2887	1.223	6143	0.690				
60	1727	1.985								
80	2136	1.939								
100	2322	1.901								
120	2856	1.875								
140	3445	1.851								
160	3974	1.829								
180	3737	1.799								
200	3863	1.773								



Fields marked: Intrusion into bore was detected. Determined after the corresponding P_{QR}-Test.

Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **3**	Creation date of this sheet: **2023-06-27**