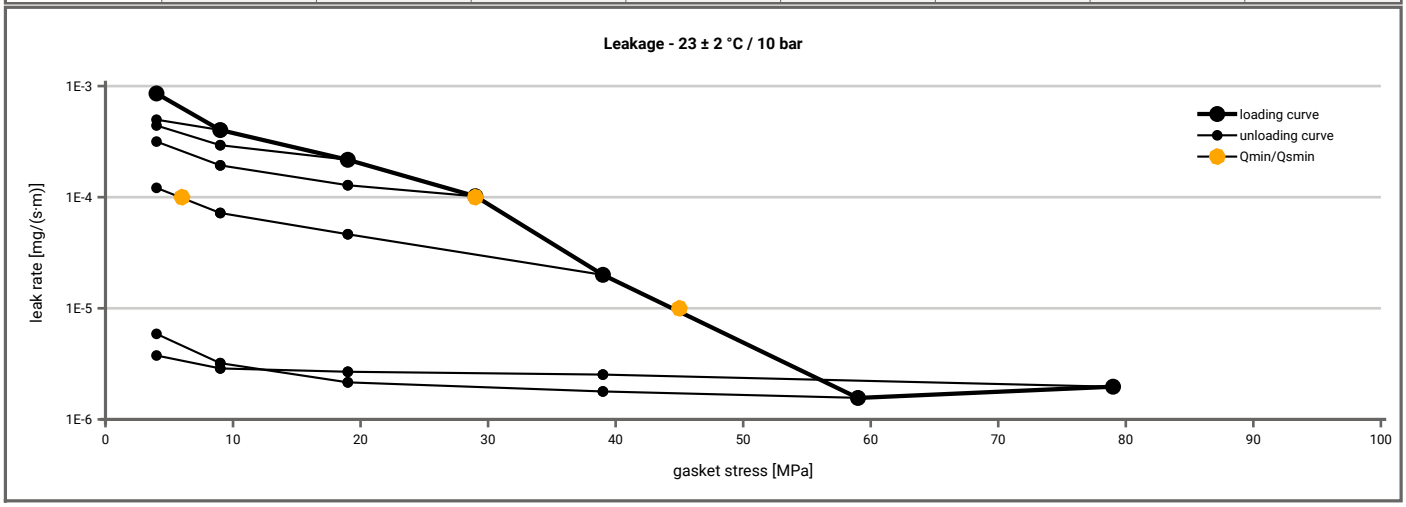
Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to **EN 13555 2021-4**
Product name	GORE® Universal Pipe Gasket (Style 800)	
Product dimensions	92 x 49 x 1.5 mm	

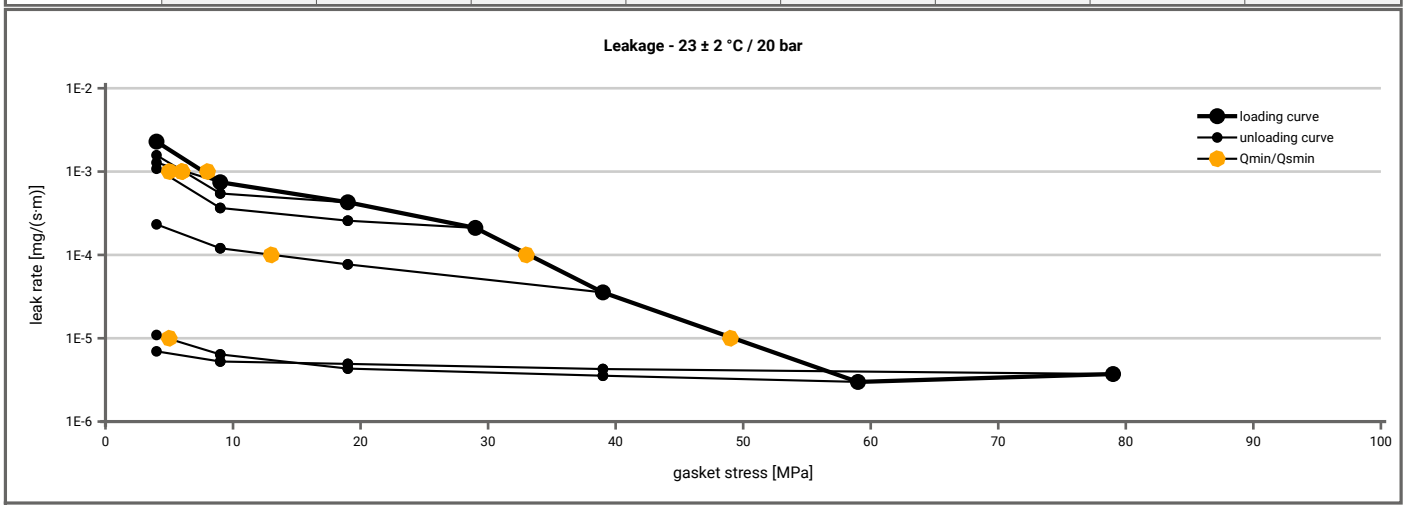
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 10 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]						
		Q_A = 4.7 [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	30					7	5	5
1E-5	45						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 = 4.7 [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	8		7	7	5	5	5	5
1E-4	34					14	5	5
1E-5	50						6	5
1E-6								
1E-7								

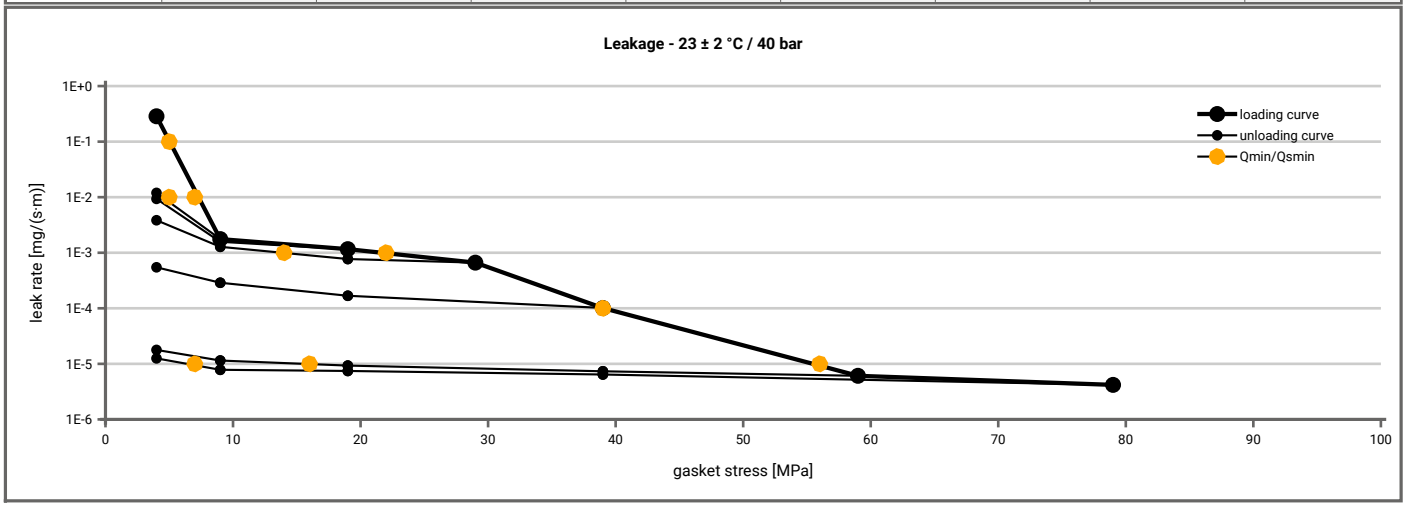


Note: the content of darkened cells was not determined respectively is unnecessary | Rev.-No.: **4** | Creation date of this sheet: **2022-09-12**

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 1.5 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 = 4.6 [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	6		5	5	5	5	5	5
1E-2	8		5	5	5	5	5	5
1E-3	22				14	5	5	5
1E-4	40						5	5
1E-5	56						16	7
1E-6								
1E-7								

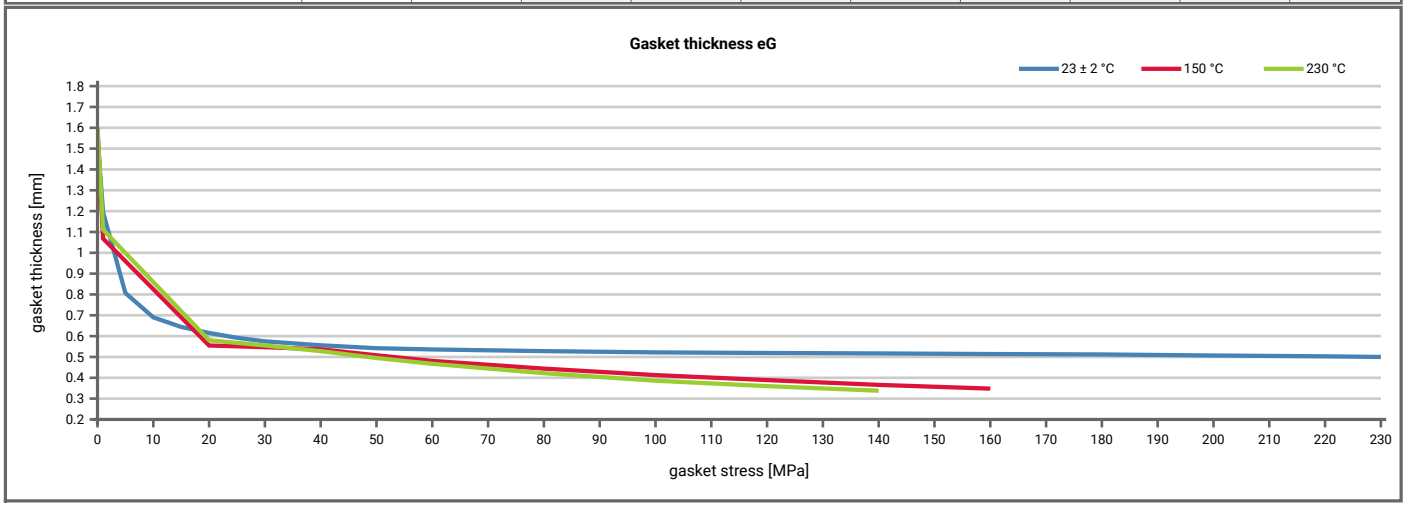


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **4**	Creation date of this sheet: **2022-09-12**

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 1.5 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]	0.84	13	0.59	35	0.46	46				
Stress level 2 [20 MPa]	0.92	13	0.76	40	0.78	38				
Stress level 3 [30 MPa]	0.96	10	0.90	26	0.81	49				
Stress level 4 [50 MPa]	0.98	8	0.85	63	0.78	92				
Stress level 5 [60 MPa]					0.78	111				
Stress level 6 [90 MPa]			0.85	113						
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.99	19	0.83	228	0.79	247				
Q_{smax}	230 MPa		160 MPa		140 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	1.552	0	1.595	0	1.600				
1	0	1.195	0	1.068	0	1.111				
5 / 20 / 20	71	0.807	564	0.555	659	0.580				
10 / 30 / 30	156	0.690	1459	0.547	1142	0.555				
15 / 40 / 40	280	0.644	1839	0.537	1355	0.528				
20 / 50 / 50	374	0.615	2251	0.508	1559	0.495				
25 / 60 / 60	464	0.592	2188	0.481	1645	0.467				
30 / 80 / 80	581	0.575	2151	0.444	1944	0.422				
40 / 100 / 100	872	0.556	2215	0.413	2018	0.386				
50 / 120 / 120	1014	0.542	2424	0.389	2029	0.360				
60 / 140 / 140	1665	0.536	2182	0.366	1925	0.338				
80 / 160	2822	0.528	2292	0.348						
100	3435	0.522								
120	4675	0.519								
140	5848	0.517								
160	5306	0.514								
180	5781	0.512								
200	5130	0.507								
220	4833	0.503								
230	4062	0.500								



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.: **4**	Creation date of this sheet: **2022-09-12**