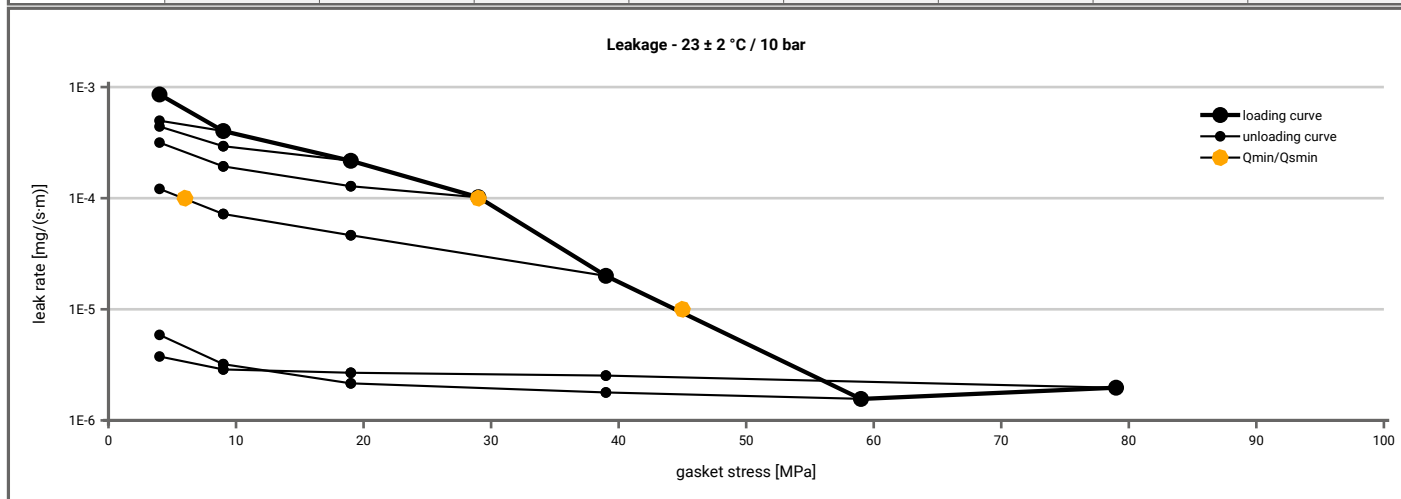
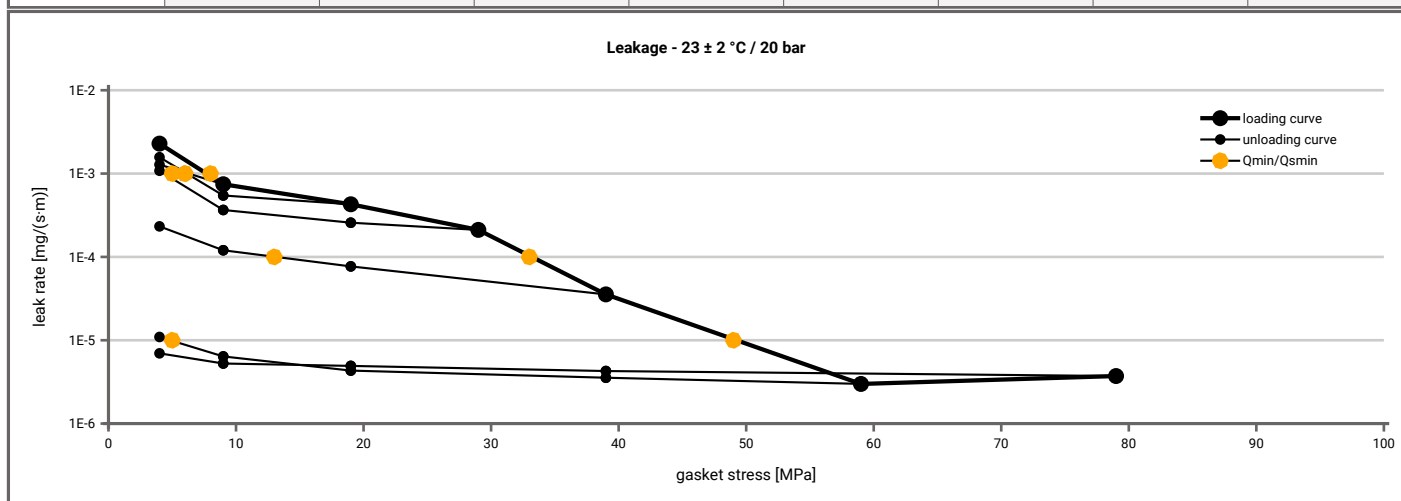


Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to DIN EN 13555 2014-7
Product name	GORE® Universal Pipe Gasket (Style 800)	
Product dimensions	92 x 49 x 1.5 mm (DIN EN 1514-1 1997-8)	

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



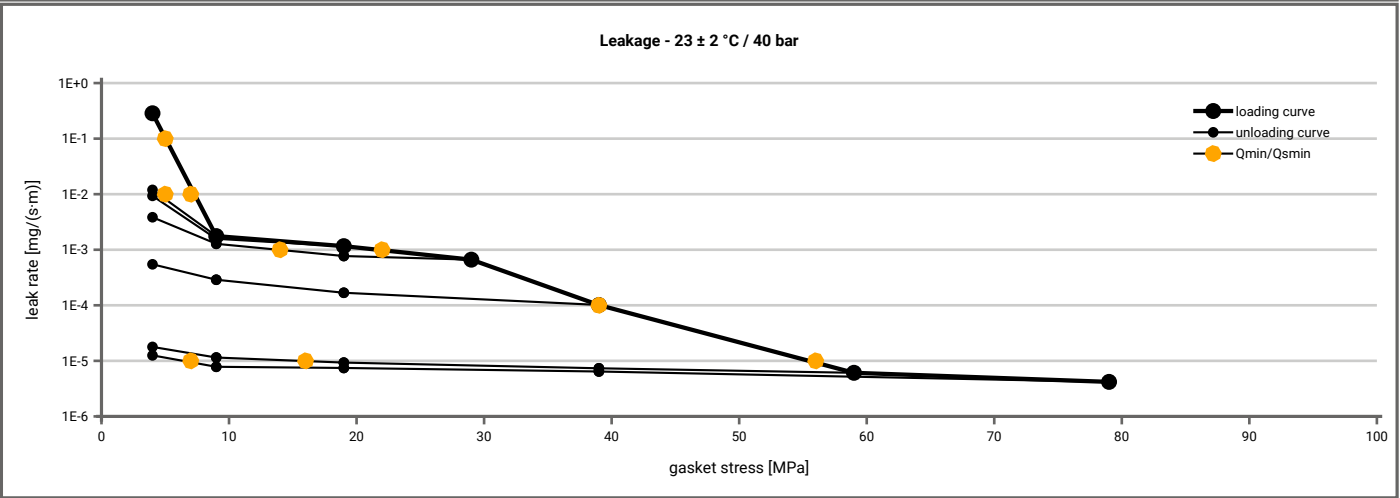
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 20$ bar ($T = 23 \pm 2$ °C)								
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]						
		$Q_A = 4.7$ [MPa]	$Q_A = 9.6$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [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.: 3	Creation date of this sheet: 2022-08-17
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Product name	GORE® Universal Pipe Gasket (Style 800)	
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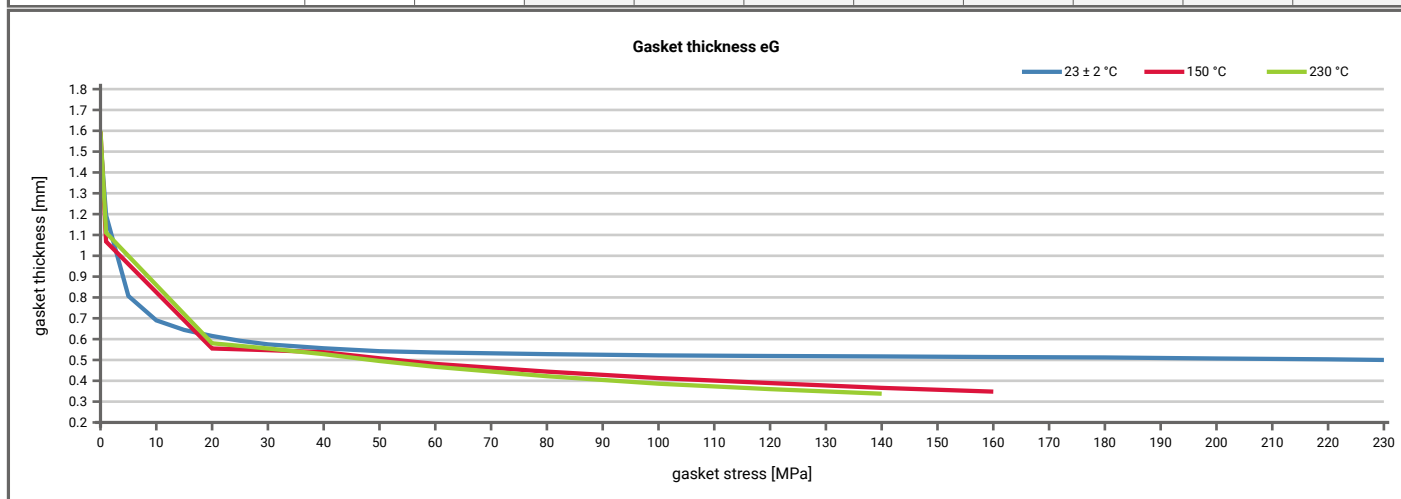
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 2 °C)								
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]						
		$Q_A = 4.6$ [MPa]	$Q_A = 9.6$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]
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								



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Product name	GORE® Universal Pipe Gasket (Style 800)	
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 [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								



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