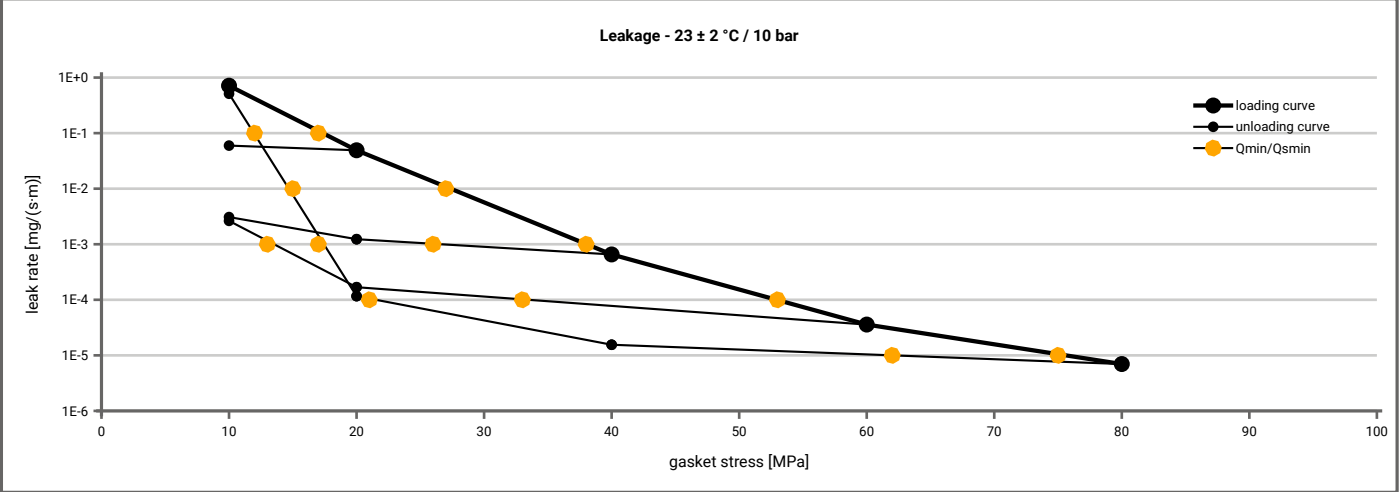


Manufacturer address	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to DIN EN 13555 2014-7
Product name	GORE® Joint Sealant DF	
Product dimensions	121 x 111 x 2 mm (DIN EN 1514-1 1997-8)	

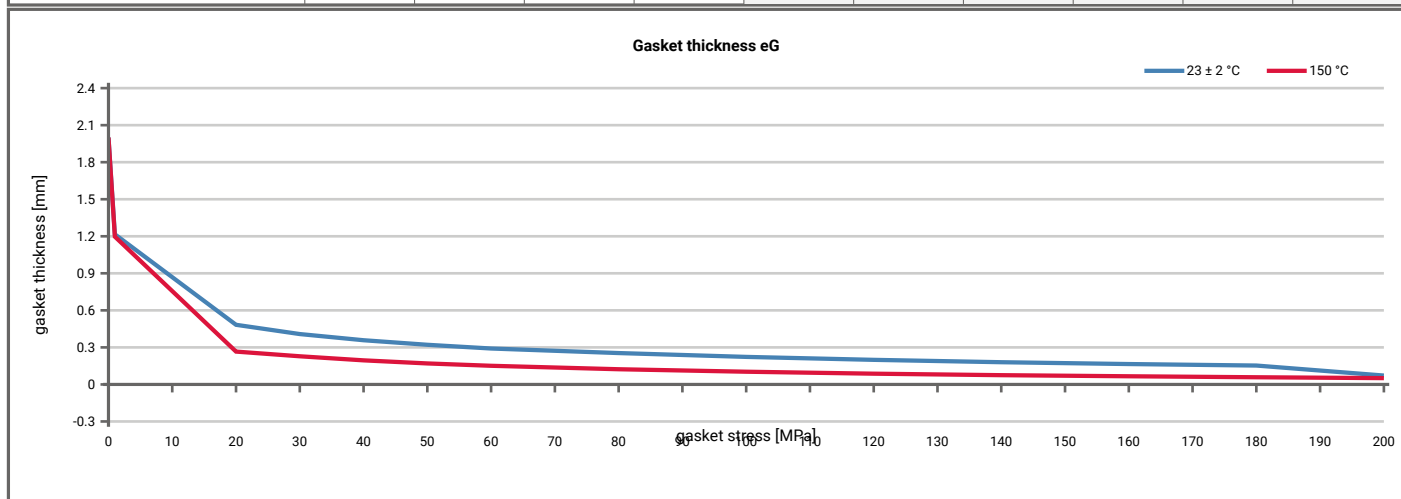
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10\text{ bar}$ ($T = 23 \pm 2\text{ }^{\circ}\text{C}$)						
$L\text{ [mg/(s}\cdot\text{m)]}$	$Q_{min(L)}\text{ [MPa]}$	$Q_{smin(L)}\text{ [MPa]}$				
		$Q_A = 10\text{ [MPa]}$	$Q_A = 20\text{ [MPa]}$	$Q_A = 40\text{ [MPa]}$	$Q_A = 60\text{ [MPa]}$	$Q_A = 80\text{ [MPa]}$
1E-0	10		10	10	10	10
1E-1	18		10	10	10	12
1E-2	28			10	10	15
1E-3	38			27	14	18
1E-4	53				34	22
1E-5	76					62
1E-6						
1E-7						
1E-8						



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Relaxation ratio P_{QR} for stiffness $C = 500$ [kN/mm]										
Gasket stress	23 ± 2 °C		Temperature 1 [150 °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]	0.62	14	0.12	32						
Stress level 2 [30 MPa]	0.75	27	0.30	77						
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.97	22	0.92	58						
Q_{smax}	200 MPa		200 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]							
	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	2.000	0	2.000						
1	0	1.216	0	1.197						
20	290	0.483	260	0.266						
30	368	0.408	374	0.228						
40	438	0.358	380	0.195						
50	491	0.321	377	0.170						
60	527	0.291	369	0.151						
80	618	0.254	382	0.123						
100	743	0.223	392	0.103						
120	768	0.199	386	0.087						
140	819	0.180	388	0.075						
160	856	0.165	409	0.066						
180	885	0.153	401	0.058						
200	914	0.072	384	0.051						



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 2	Creation date of this sheet: 2016-02-01
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