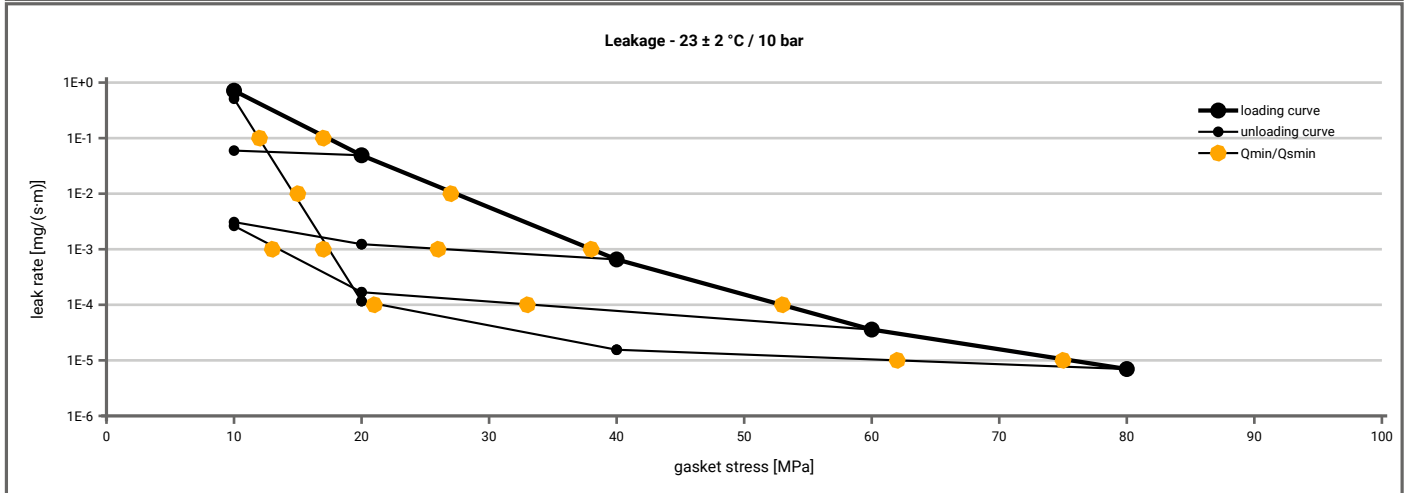


<b>Manufacturer address</b>	W. L. Gore & Associates GmbH, Hermann-Oberth-Straße 26, 85640 Putzbrunn, DE	According to <b>DIN EN 13555</b> <b>2014-7</b>
<b>Product name</b>	GORE® Joint Sealant DF	
<b>Product dimensions</b>	121 x 111 x 2 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10$ bar ( $T = 23 \pm 2$ °C)						
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]				
		$Q_A = 10$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [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 [80 °C]		Temperature 2 [150 °C]		$P_{QR}$	$\Delta e_{Gc}$ [µm]	$P_{QR}$	$\Delta e_{Gc}$ [µm]
	$P_{QR}$	$\Delta e_{Gc}$ [µm]	$P_{QR}$	$\Delta e_{Gc}$ [µm]	$P_{QR}$	$\Delta e_{Gc}$ [µm]				
Stress level 1 [10 MPa]	0.62	14	0.22	28	0.12	32				
Stress level 2 [30 MPa]	0.75	27	0.47	58	0.30	77				
$P_{QR}$ and $\Delta e_{Gc}$ at maximum gasket stress to be applied $Q_{smax}$										
$P_{QR}$ at $Q_{smax}$	0.97	22	0.89	80	0.92	58				
$Q_{smax}$	200 MPa		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 [80 °C]		Temperature 2 [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	0	2.000				
1	0	1.216	0	1.239	0	1.197				
20	290	0.483	501	0.372	260	0.266				
30	368	0.408	581	0.309	374	0.228				
40	438	0.358	672	0.272	380	0.195				
50	491	0.321	818	0.245	377	0.170				
60	527	0.291	972	0.226	369	0.151				
80	618	0.254	1205	0.199	382	0.123				
100	743	0.223	1359	0.179	392	0.103				
120	768	0.199	1484	0.165	386	0.087				
140	819	0.180	1584	0.153	388	0.075				
160	856	0.165	1606	0.144	409	0.066				
180	885	0.153	1614	0.136	401	0.058				
200	914	0.072	1596	0.129	384	0.051				

