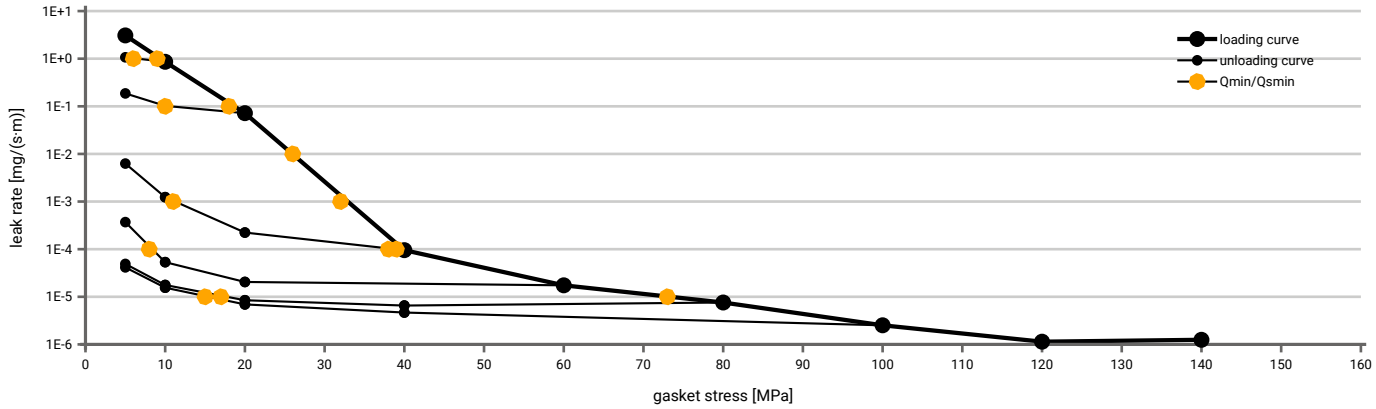
Manufacturer address	Leader Gasket Technologies s.r.o, Psurnovicka ulica 1026, 014 01 Bytca, SK	According to DIN EN 13555 2014-7
Product name	Clipperlon 2100	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

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

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]								
		Q_A = 5 [MPa]	Q_A = 10 [MPa]	Q_A = 20 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]	Q_A = 100 [MPa]	Q_A = 120 [MPa]	Q_A = 140 [MPa]
1E+1	5		5	5	5	5	5	5		
1E-0	9		7	5	5	5	5	5		
1E-1	19			11	5	5	5	5		
1E-2	26				5	5	5	5		
1E-3	33				11	5	5	5		
1E-4	40				39	8	5	5		
1E-5	73						18	15		
1E-6										
1E-7										
1E-8										

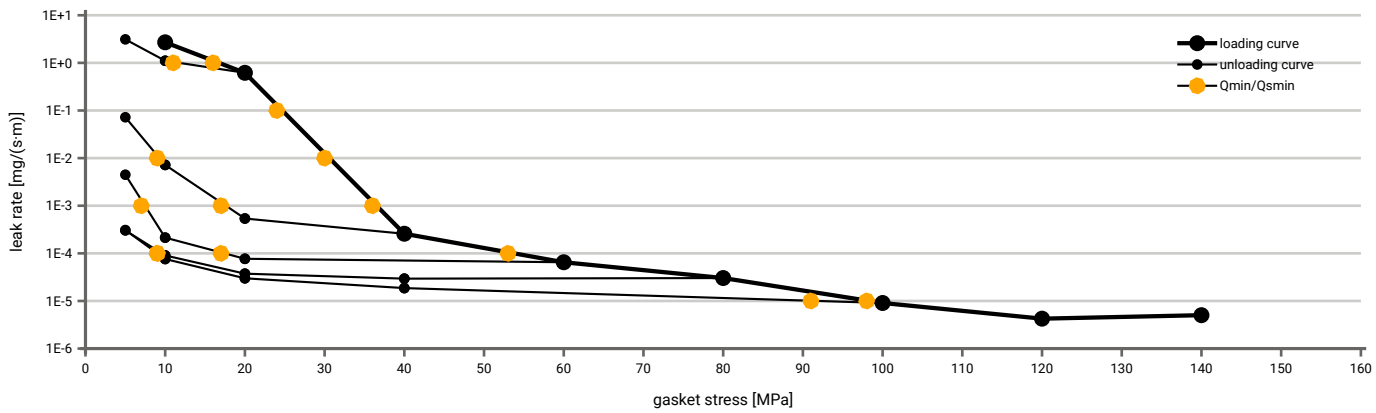
Leakage - 23 ± 2 °C / 10 bar



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 = 10 [MPa]	Q_A = 20 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]	Q_A = 100 [MPa]	Q_A = 120 [MPa]	Q_A = 140 [MPa]
1E+1	10		5	5	5	5	5		
1E-0	17		12	5	5	5	5		
1E-1	25			5	5	5	5		
1E-2	31			9	5	5	5		
1E-3	37			18	7	5	5		
1E-4	54				17	10	9		
1E-5	98						92		
1E-6									
1E-7									
1E-8									

Leakage - 23 ± 2 °C / 40 bar

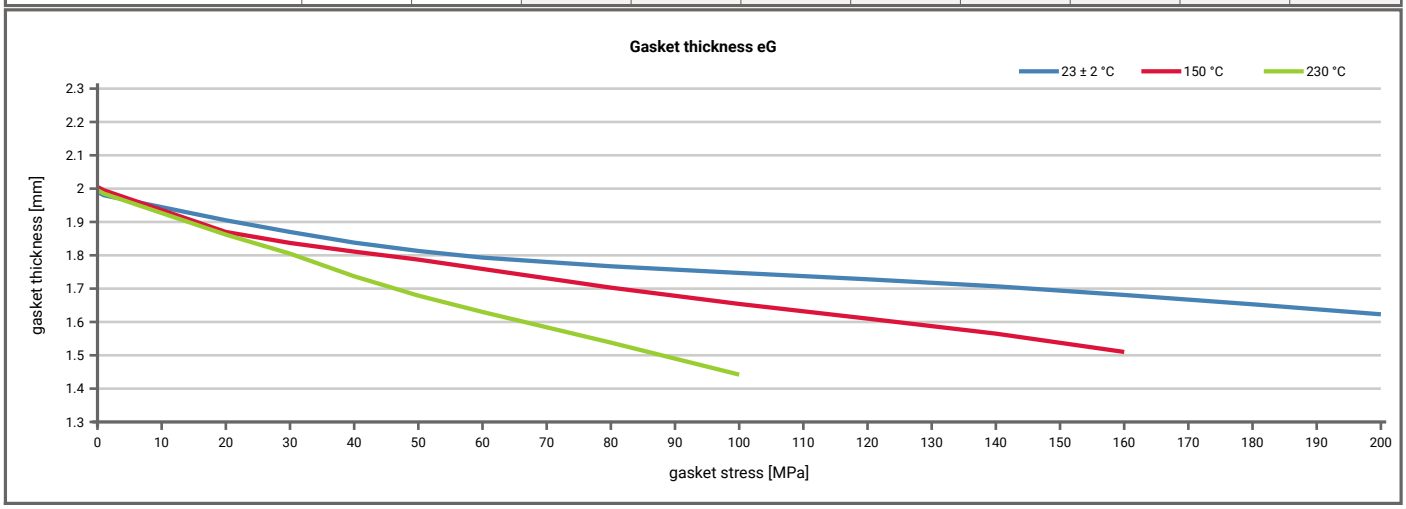


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2021-03-23**

Manufacturer address	Leader Gasket Technologies s.r.o, Psurnovicka ulica 1026, 014 01 Bytca, SK	According to **DIN EN 13555 2014-7**
Product name	Clipperlon 2100	
Product dimensions	92 x 49 x 2 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]	0.96	4	0.87	11	0.88	10				
Stress level 2 [30 MPa]	0.95	13	0.84	42	0.79	53				
Stress level 3 [50 MPa]	0.96	17	0.92	36	0.76	103				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.95	84	0.82	242	0.69	264				
Q_{smax}	200 MPa		160 MPa		100 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	1.990	0	2.005	0	1.995				
1	0	1.980	0	1.995	0	1.985				
20	1960	1.905	1079	1.870	1102	1.862				
30	2227	1.870	1442	1.837	1170	1.805				
40	2572	1.838	1719	1.811	1340	1.737				
50	2946	1.813	2042	1.787	1473	1.679				
60	3350	1.793	2142	1.759	1669	1.630				
80	4048	1.767	2721	1.703	2019	1.538				
100	4614	1.747	2925	1.654	2437	1.442				
120	5012	1.728	3414	1.610						
140	5464	1.707	3883	1.565						
160	5815	1.681	4415	1.510						
180	6101	1.653								
200	6266	1.623								



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