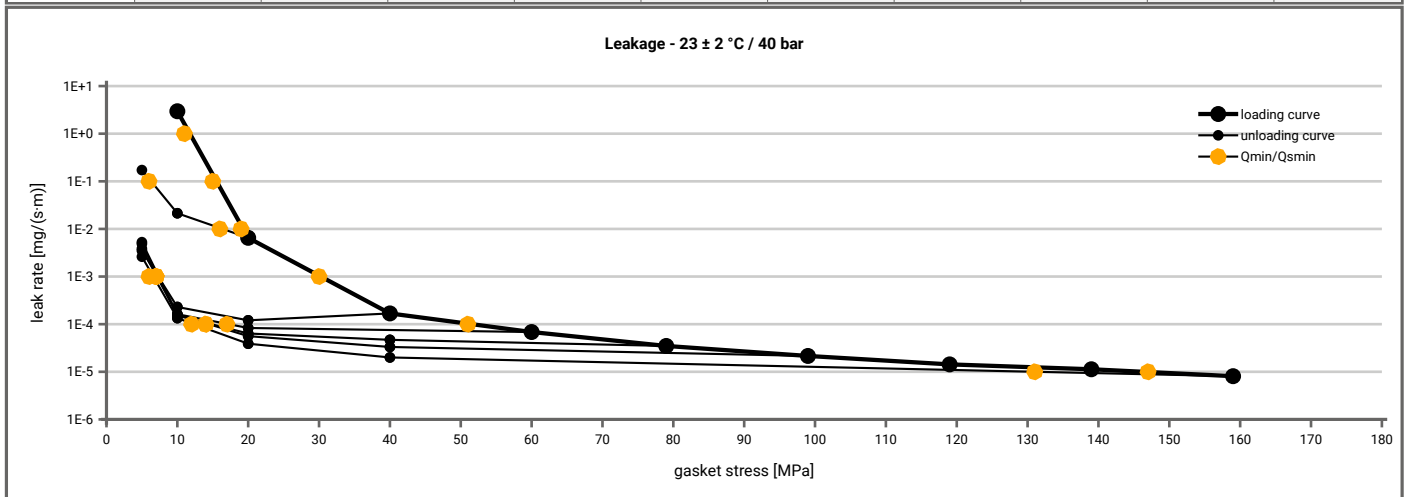


Manufacturer address	Leader Gasket Technologies s.r.o, Pšurnovická ulica 1026, 014 01 Bytca, SK	According to DIN EN 13555 2014-7
Product name	Clipperlon 2110	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ 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]	$Q_A = 100$ [MPa]	$Q_A = 120$ [MPa]	$Q_A = 140$ [MPa]	$Q_A = 160$ [MPa]
1E+1	10		5	5	5	5	5			5
1E-0	12		5	5	5	5	5			5
1E-1	16		6	5	5	5	5			5
1E-2	19		16	5	5	5	5			5
1E-3	30			7	7	7	7			7
1E-4	52				17	15	15			12
1E-5	147									132
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]		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]	0.91	9	0.69	27	0.54	40				
Stress level 2 [30 MPa]	0.90	25	0.56	111	0.39	156				
Stress level 3 [50 MPa]	0.90	43	0.55	187						
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.91	47	0.55	187	0.42	198				
Q_{smax}	60 MPa		50 MPa		40 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	2.035	0	2.026				
1	0	2.005	0	2.050	0	2.029				
20	1528	1.730	829	1.376	835	1.224				
30	1916	1.553	1480	1.192	1313	0.990				
40	2222	1.416	1940	1.045	1599	0.860				
50	2524	1.312	1897	0.939						
60	2865	1.231								

