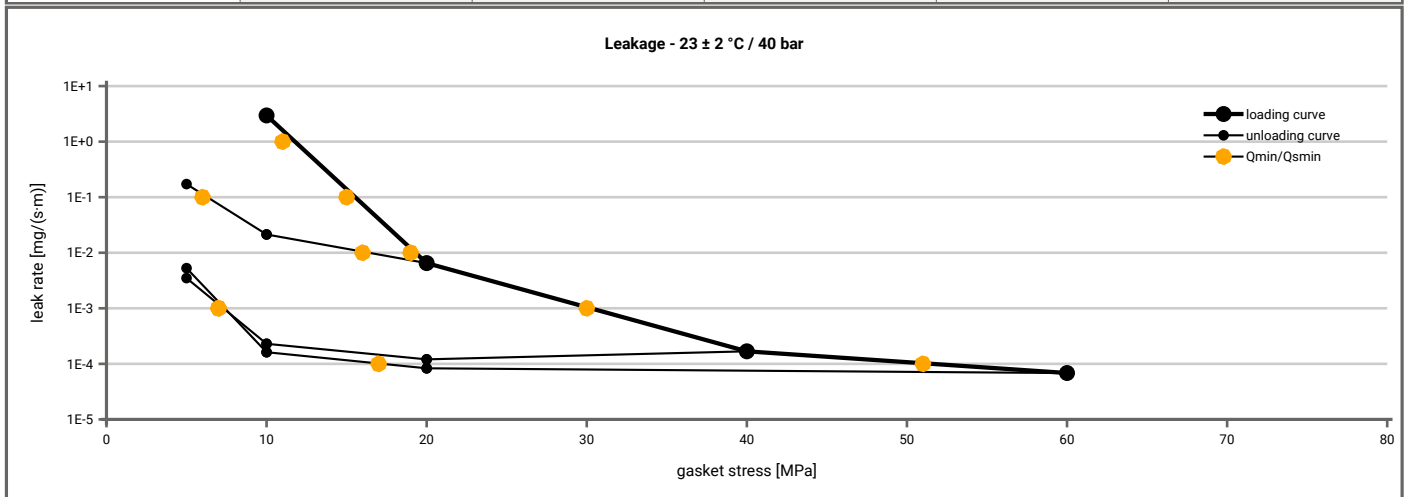


<b>Manufacturer address</b>	Leader Gasket Technologies s.r.o, Pšurnovická ulica 1026, 014 01 Bytca, SK	According to <b>DIN EN 13555</b> <b>2014-7</b>
<b>Product name</b>	Clipperlon 2110	
<b>Product dimensions</b>	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

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]
1E+1	10		5	5	5
1E-0	12		5	5	5
1E-1	16		6	5	5
1E-2	19		16	5	5
1E-3	30			7	7
1E-4	52				17
1E-5					
1E-6					
1E-7					
1E-8					

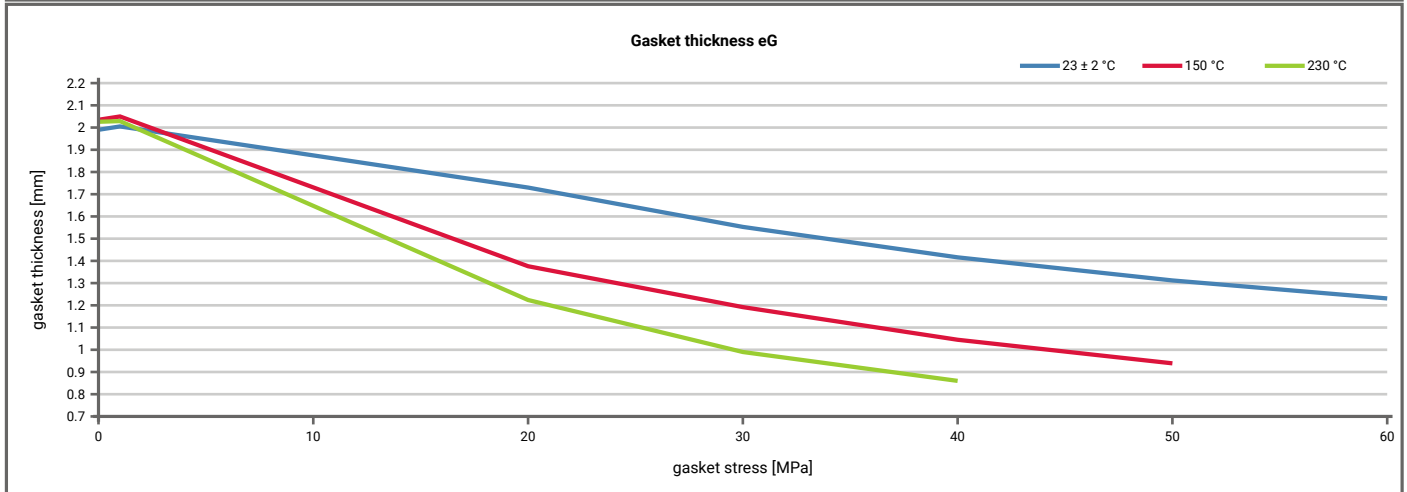


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 2	Creation date of this sheet: 2017-02-03
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<b>Manufacturer address</b>	Leader Gasket Technologies s.r.o., Pšurnovická ulica 1026, 014 01 Bytča, SK	According to <b>DIN EN 13555</b> 2014-7
<b>Product name</b>	Clipperlon 2110	
<b>Product dimensions</b>	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]		$P_{QR}$	$\Delta e_{Gc}$ [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]	0.91	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 $\Delta e_{Gc}$ 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								



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