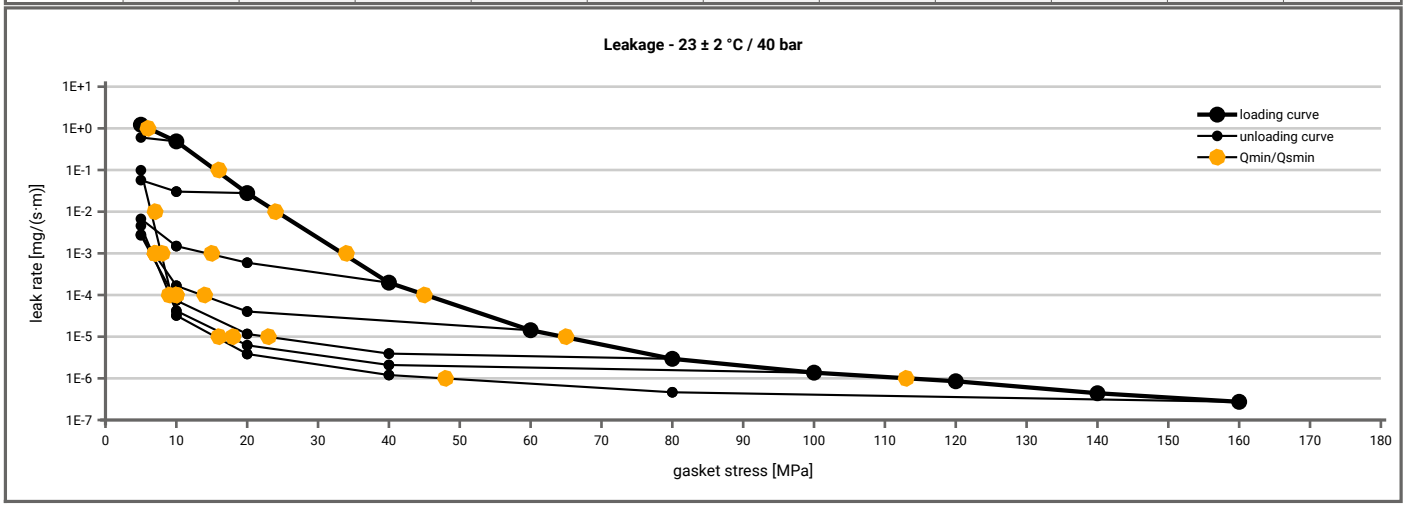
Manufacturer address	Flexitallic Ltd., Cleckheaton, BD19 4LN West Yorkshire, GB	According to **DIN EN 13555 2014-7**
Product name	Spiral Wound CGI TH835/321L	
Product dimensions	67 x 56 x 4.8 mm (DIN EN 1514-2 2014-8)	

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 = 5.5 [MPa]	Q_A = 10 [MPa]	Q_A = 20 [MPa]	Q_A = 41 [MPa]	Q_A = 61 [MPa]	Q_A = 80 [MPa]	Q_A = 100 [MPa]	Q_A = 120 [MPa]	Q_A = 140 [MPa]	Q_A = 160 [MPa]
1E+1	5		5	6	6	6	6	6			6
1E-0	7		5	6	6	6	6	6			6
1E-1	16			6	6	6	6	6			6
1E-2	25				6	6	6	6			7
1E-3	34				15	8	7	7			9
1E-4	46					14	10	10			10
1E-5	65						24	18			16
1E-6	114										48
1E-7											
1E-8											

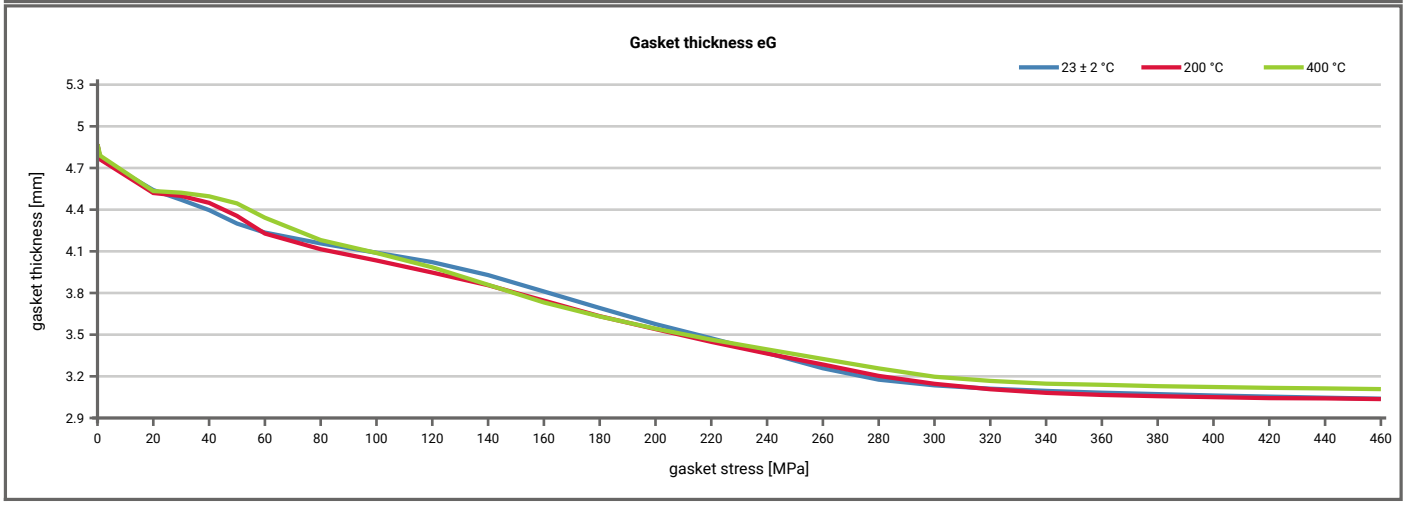


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **2**	Creation date of this sheet: **2017-02-07**

Manufacturer address	Flexitallic Ltd., Cleckheaton, BD19 4LN West Yorkshire, GB	According to **DIN EN 13555 2014-7**
Product name	Spiral Wound CGI TH835/321L	
Product dimensions	67 x 56 x 4.8 mm (DIN EN 1514-2 2014-8)	

Relaxation ratio P_{QR} for stiffness C = 500 [kN/mm]										
Gasket stress	**23 ± 2 °C**		**Temperature 1 [200 °C]**		**Temperature 2 [400 °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 [70 MPa]	0.94	10	0.79	31	0.69	46				
Stress level 2 [180 MPa]	0.96	15	0.84	61	0.62	145				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.99	10	0.98	20	0.93	68				
Q_{smax}	460 MPa		460 MPa		460 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	**23 ± 2 °C**		**Temperature 1 [200 °C]**		**Temperature 2 [400 °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	4.870	0	4.870	0	4.870				
1	0	4.764	0	4.761	0	4.788				
20	2265	4.541	3724	4.520	2151	4.534				
30	2851	4.471	5129	4.499	4603	4.522				
40	3326	4.397	5151	4.449	6143	4.496				
50	3845	4.300	5905	4.355	6142	4.445				
60	5125	4.235	6249	4.228	6525	4.342				
80	7282	4.157	8468	4.115	7761	4.181				
100	8020	4.090	9662	4.034	8906	4.088				
120	8343	4.022	9397	3.947	8787	3.985				
140	8672	3.929	10429	3.856	10899	3.859				
160	9369	3.811	10994	3.745	12023	3.732				
180	10285	3.692	11933	3.633	13539	3.631				
200	11132	3.576	12880	3.540	14366	3.543				
220	12260	3.474	15162	3.448	14036	3.464				
240	13385	3.368	15319	3.364	16597	3.394				
260	14504	3.258	15964	3.285	16861	3.325				
280	15659	3.176	15549	3.203	19154	3.257				
300	17140	3.135	17577	3.146	22016	3.197				
320	18466	3.111	19363	3.107	23229	3.167				
340	20028	3.095	21361	3.081	22408	3.147				
360	21235	3.082	23638	3.066	28183	3.139				
380	22406	3.072	25381	3.057	26692	3.129				
400	23170	3.062	27627	3.050	31063	3.123				
420	24342	3.054	29613	3.043	33495	3.117				
440	25525	3.046	33806	3.041	34806	3.113				
460	26888	3.039	36212	3.036	39543	3.108				



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