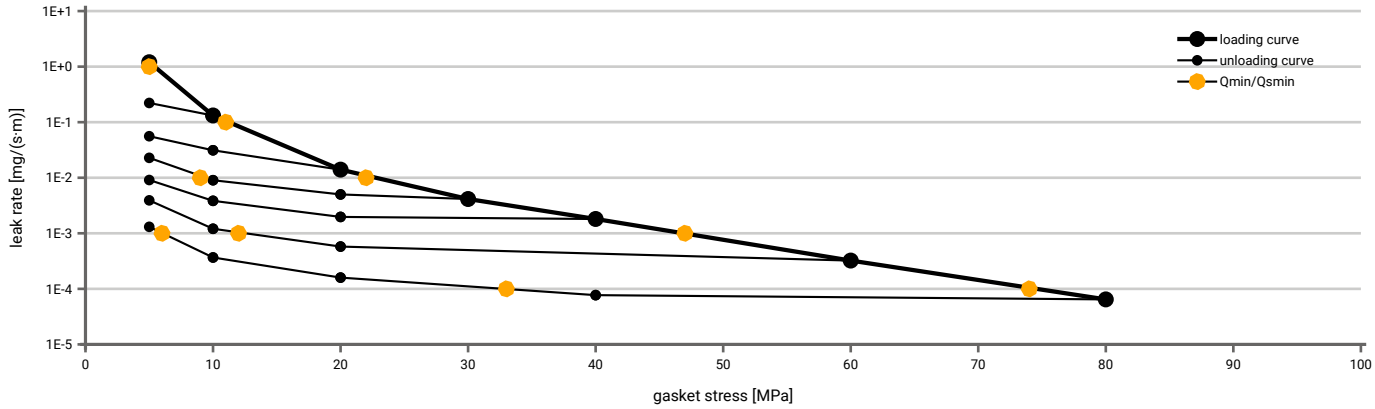
Manufacturer address	ERIKS bv, Toermalijnstraat 5, 1812 RL Alkmaar, NL	According to **DIN EN 13555 2014-7**
Product name	Novaphit SSTC TA-L mit IB 0,1 mm	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 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 = 30 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]
1E+1	5		5	5	5	5	5	5
1E-0	5		5	5	5	5	5	5
1E-1	11			5	5	5	5	5
1E-2	23				10	5	5	5
1E-3	47						13	6
1E-4	75							33
1E-5								
1E-6								
1E-7								
1E-8								

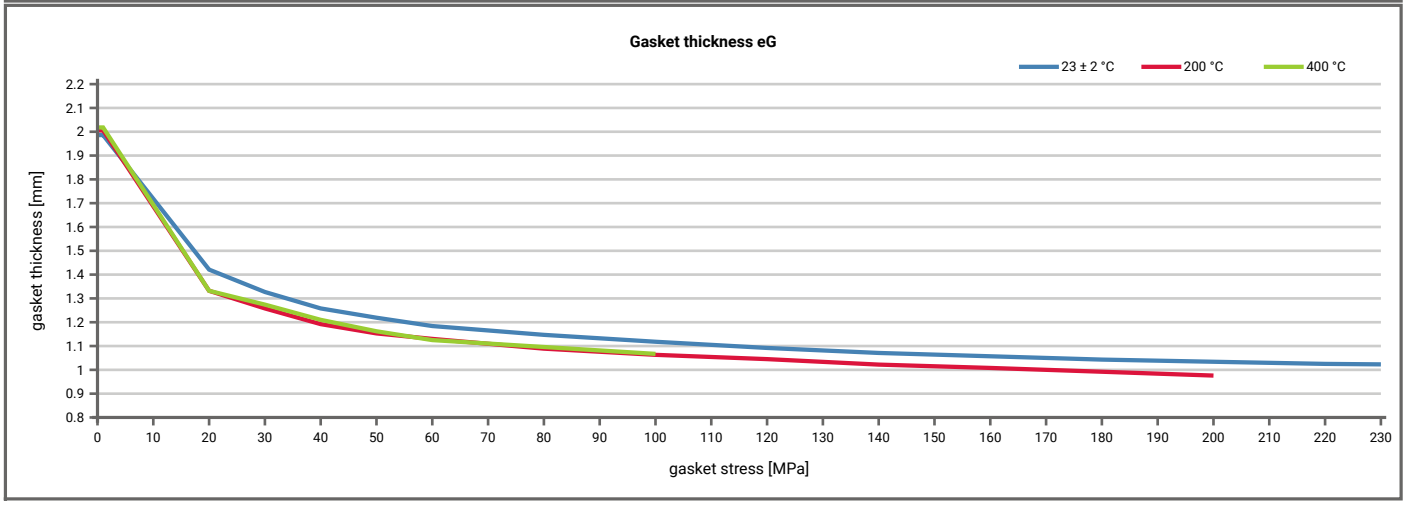


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2016-03-23**

Manufacturer address	ERIKS bv, Toermalijnstraat 5, 1812 RL Alkmaar, NL	According to **DIN EN 13555 2014-7**
Product name	Novaphit SSTC TA-L mit IB 0,1 mm	
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 [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 [30 MPa]	0.97	8	0.85	39	0.78	57				
Stress level 2 [50 MPa]	0.98	8	0.94	25	0.88	52				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.99	19	0.98	34	0.93	63				
Q_{smax}	230 MPa		200 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 [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	1.986	0	2.006	0	2.018				
1	0	1.986	0	2.006	0	2.018				
20	385	1.421	505	1.332	387	1.332				
30	691	1.327	631	1.258	670	1.274				
40	925	1.258	998	1.192	1143	1.210				
50	1481	1.219	1426	1.153	1027	1.162				
60	1537	1.184	2152	1.130	1154	1.125				
80	3265	1.147	2196	1.089	2887	1.096				
100	3056	1.118	2727	1.063	3030	1.067				
120	3013	1.092	3558	1.045						
140	3646	1.071	3094	1.022						
160	4389	1.057	3359	1.008						
180	5349	1.043	3489	0.992						
200	7696	1.034	3987	0.976						
220	7340	1.025								
230	8686	1.023								



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