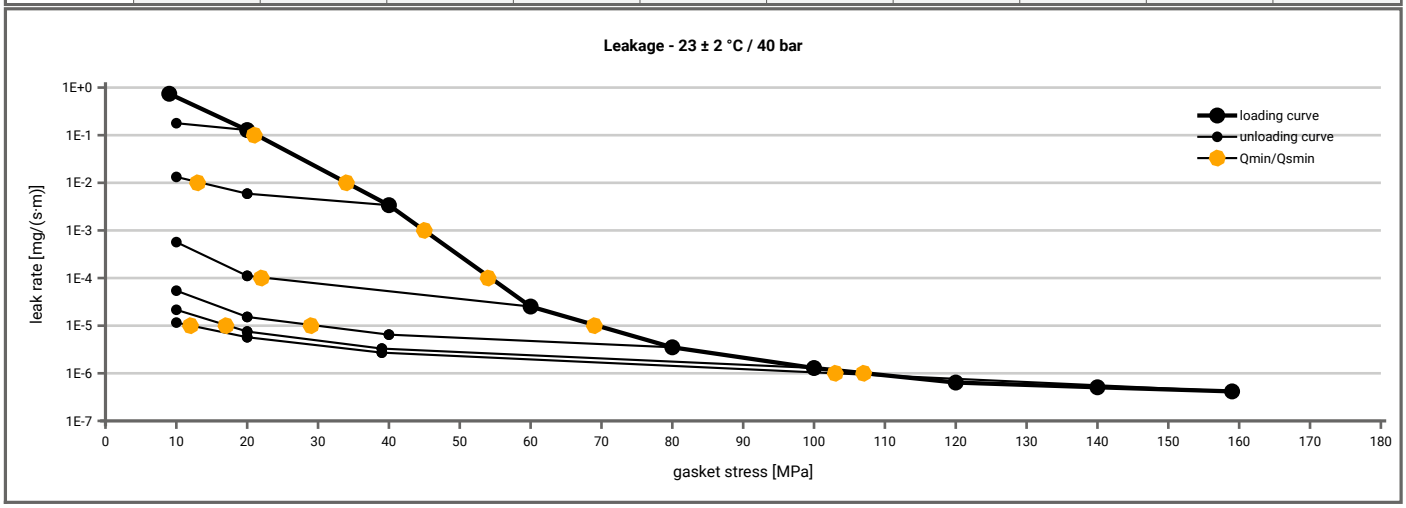
Manufacturer address	TEADIT International Produktions GmbH, Schanzenstr. 35, 51063 Köln, DE	According to **DIN EN 13555 2005-2**
Product name	NA1002	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

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 = 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-0	10		10	10	10	10	10			10
1E-1	21			10	10	10	10			10
1E-2	34			13	10	10	10			10
1E-3	45				10	10	10			10
1E-4	54				23	10	10			10
1E-5	69					30	17			12
1E-6	107									104
1E-7										
1E-8										

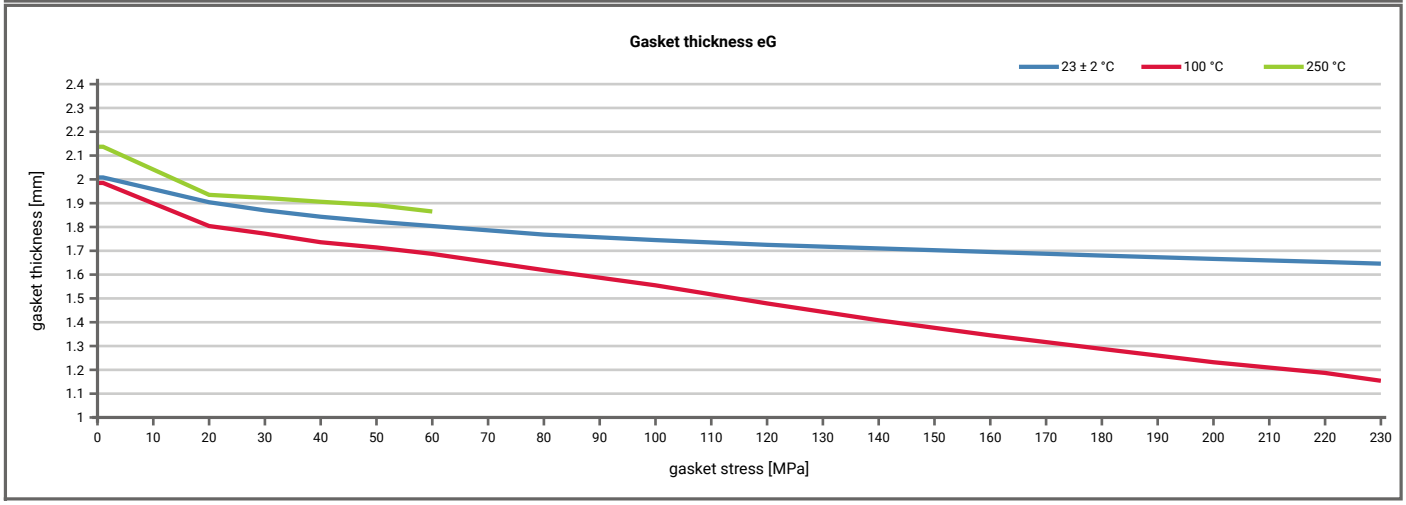


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2011-11-08**

Manufacturer address	TEADIT International Produktions GmbH, Schanzenstr. 35, 51063 Köln, DE	According to **DIN EN 13555 2005-2**
Product name	NA1002	
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 [100 °C]**		**Temperature 2 [250 °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]	0.94	15	0.72	70	0.62	96				
Stress level 2 [140 MPa]	0.99	18	0.77	276						
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	1.00	0	0.85	290	0.52	244				
Q_{smax}	230 MPa		230 MPa		60 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	**23 ± 2 °C**		**Temperature 1 [100 °C]**		**Temperature 2 [250 °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	2.008	0	1.985	0	2.137				
1	0	2.008	0	1.985	0	2.137				
20	1167	1.904	724	1.804	2586	1.935				
30	1389	1.870	1495	1.772	2875	1.922				
40	1844	1.843	1543	1.736	2703	1.906				
50	2379	1.822	2480	1.714	3760	1.892				
60	3073	1.804	2703	1.687	2986	1.865				
80	2692	1.768	2740	1.619						
100	3822	1.745	3709	1.555						
120	4385	1.725	3468	1.479						
140	4795	1.710	3539	1.408						
160	5100	1.695	3764	1.345						
180	5683	1.680	4032	1.288						
200	5455	1.666	3790	1.232						
220	5575	1.653	3991	1.187						
230	6073	1.646	3655	1.154						



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2011-11-08**