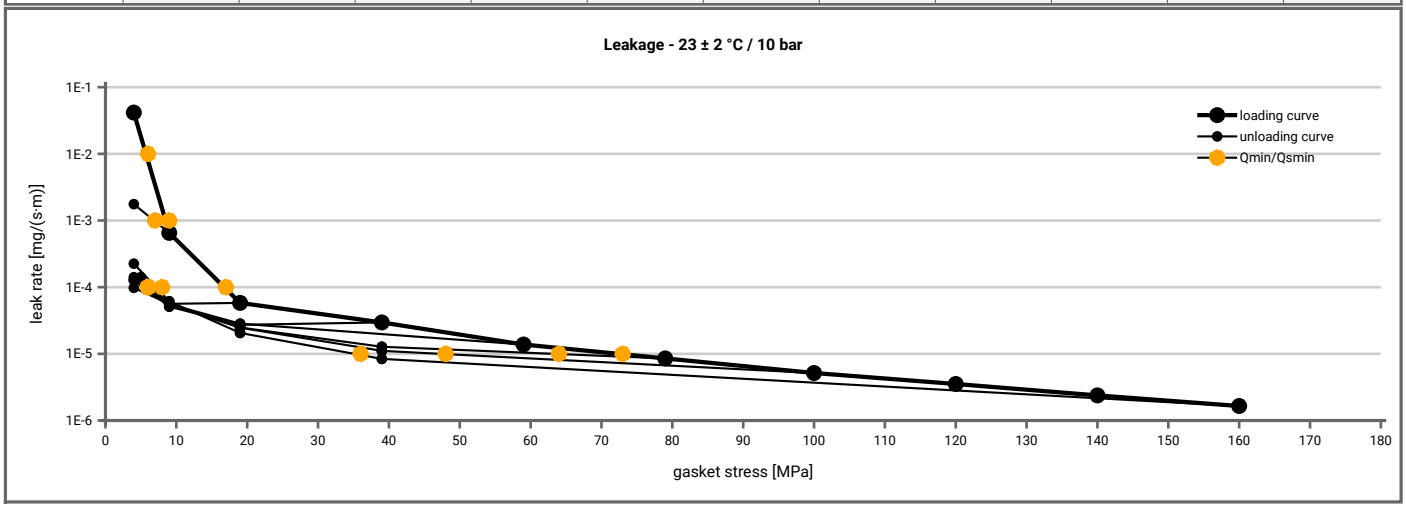
Manufacturer address	TEADIT International Produktions GmbH, Schanzenstr. 35, 51063 Köln, DE	According to DIN EN 13555 2005-2
Product name	TF 1570	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

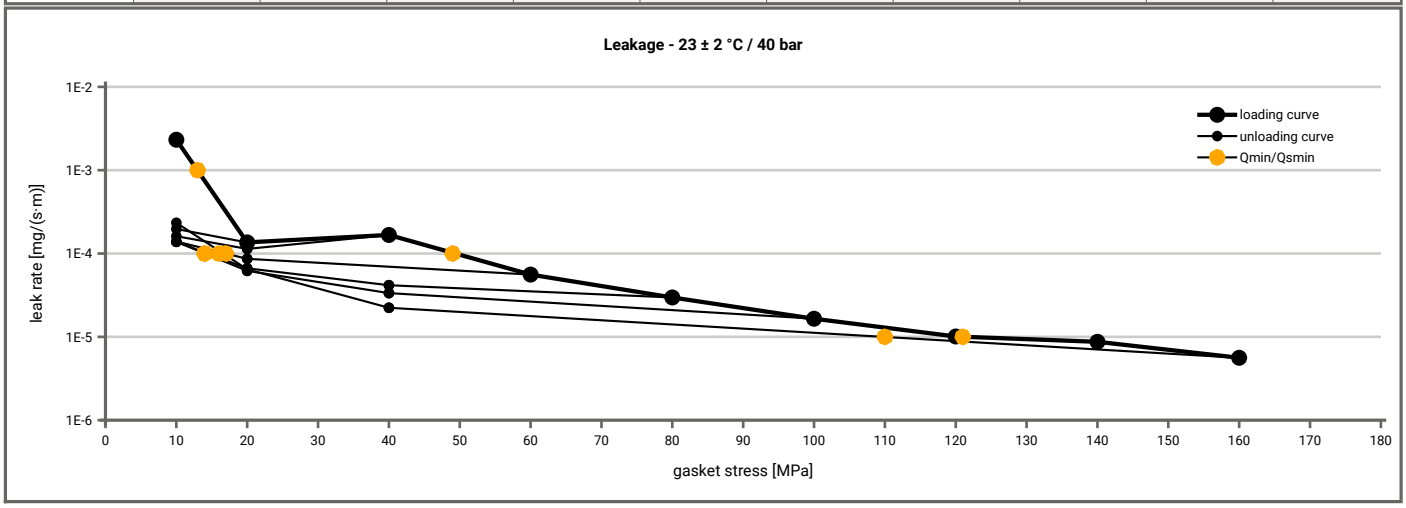
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 10 bar (T = 23 ± 2 °C)

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 = 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	5		5	5	5	5	5	5			5
1E-1	5		5	5	5	5	5	5			5
1E-2	7		5	5	5	5	5	5			5
1E-3	9		8	5	5	5	5	5			5
1E-4	18			5	6	7	6	7			8
1E-5	73						64	48			36
1E-6											
1E-7											
1E-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	10		10	10	10	10	10			10
1E-2	10		10	10	10	10	10			10
1E-3	13		10	10	10	10	10			10
1E-4	50				17	15	14			17
1E-5	122									110
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: **2012-02-14**

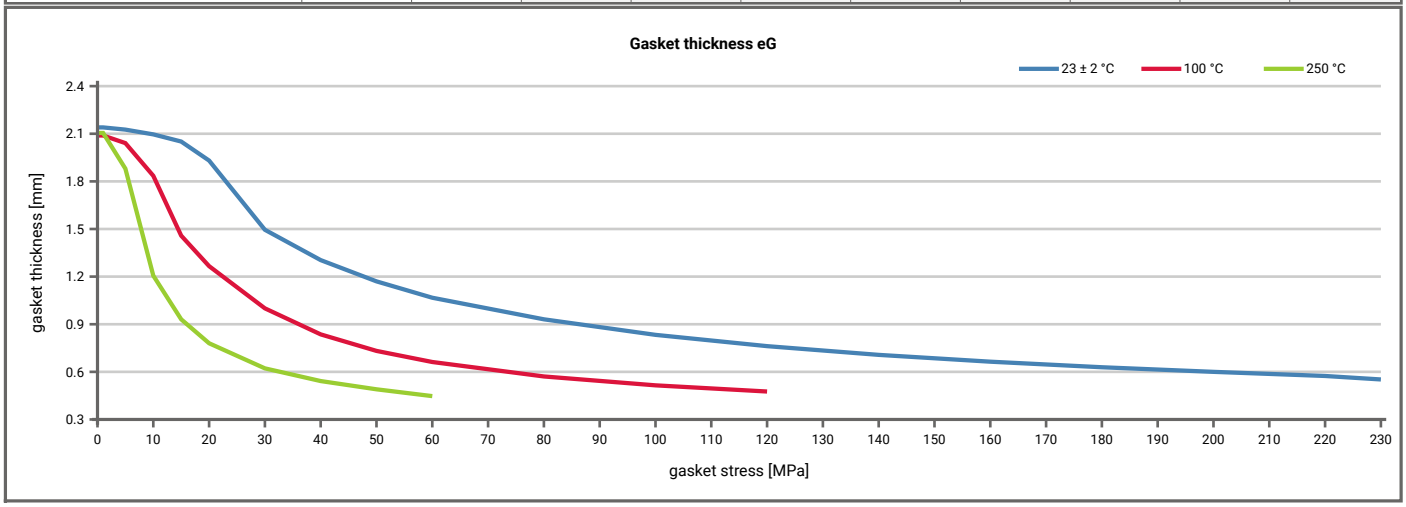
Manufacturer address	TEADIT International Produktions GmbH, Schanzenstr. 35, 51063 Köln, DE	According to **DIN EN 13555 2005-2**
Product name	TF 1570	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Relaxation ratio P_{QR} for stiffness C = 500 [kN/mm]

Gasket stress	Temperature [30 °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]	0.77	59	0.50	127	0.27	184				
Stress level 2 [80 MPa]			0.68	215						
Stress level 3 [140 MPa]	0.93	88								
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.98	48	0.78	227	0.38	315				
Q_{smax}	230 MPa		120 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	2.140	0	2.089	0	2.105				
1	0	2.140	0	2.089	0	2.105				
5	1002	2.126	470	2.041	158	1.880				
10	1417	2.096	439	1.835	241	1.206				
15	1668	2.051	475	1.458	349	0.931				
20	1632	1.931	746	1.266	446	0.780				
30	1549	1.495	1311	1.000	623	0.622				
40	2178	1.304	1795	0.836	772	0.542				
50	2769	1.170	1947	0.732	898	0.490				
60	3132	1.067	2218	0.662	1038	0.447				
80	3993	0.931	2288	0.571						
100	3950	0.833	2385	0.515						
120	3726	0.762	2447	0.476						
140	3594	0.707								
160	3406	0.664								
180	3301	0.629								
200	3282	0.600								
220	3232	0.574								
230	2997	0.552								



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **2**	Creation date of this sheet: **2012-02-14**