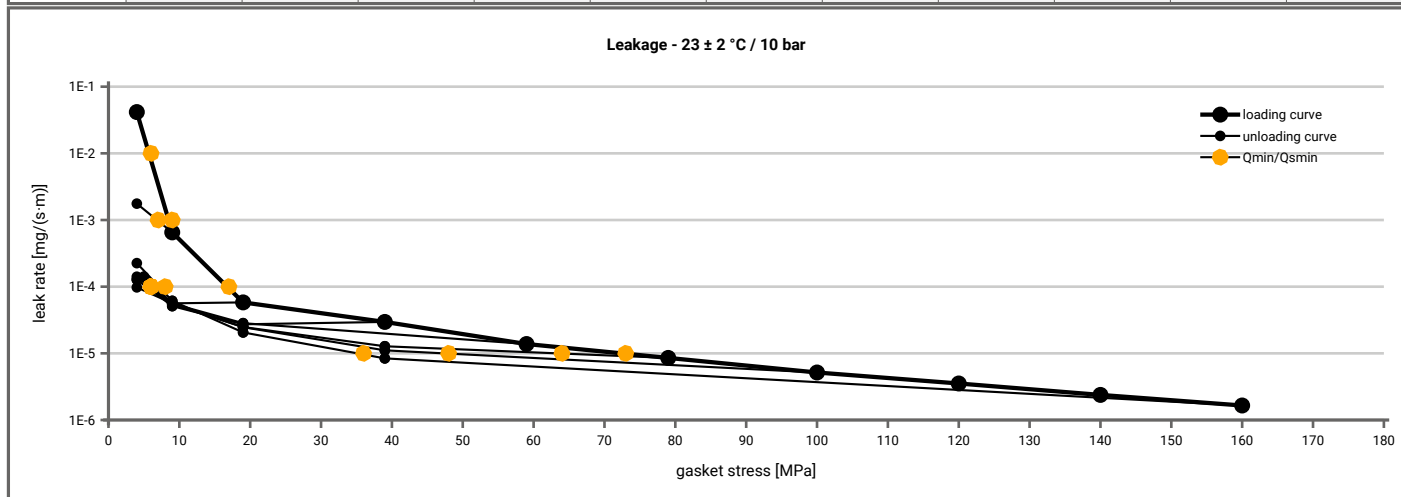
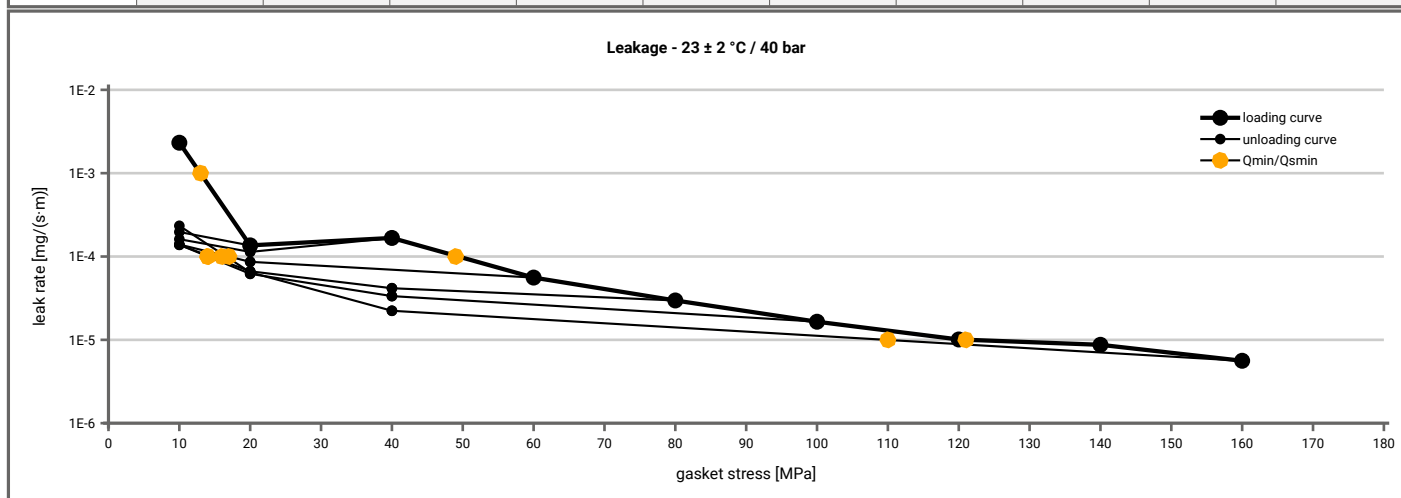


Manufacturer address	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to EN 13555 2021-4
Product name	TF 1570	
Product dimensions	92 x 49 x 2 mm	

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



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										

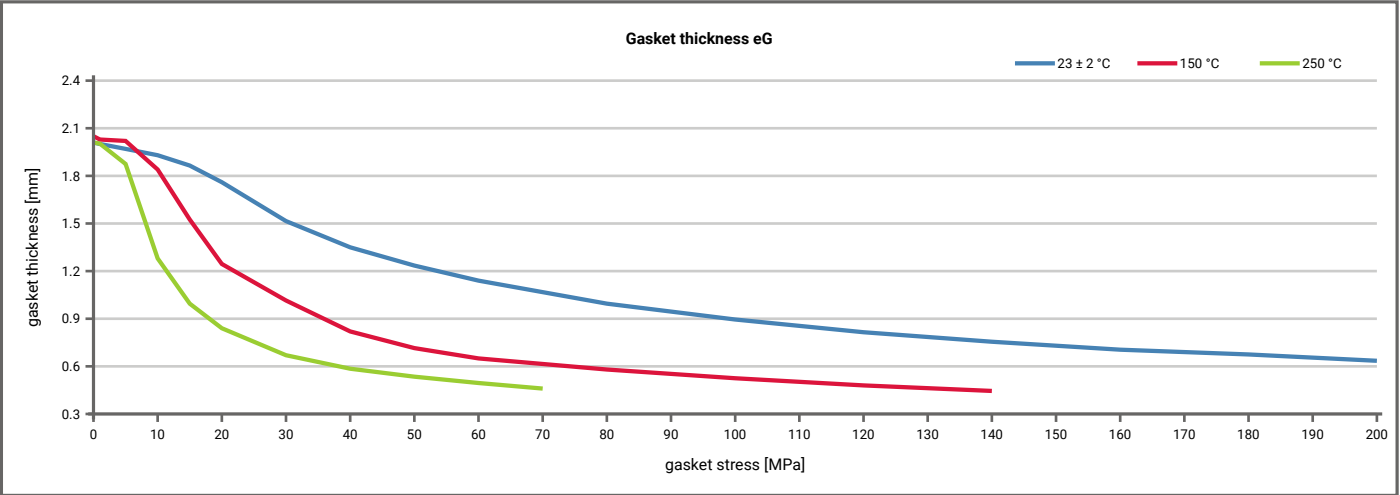


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 3	Creation date of this sheet: 2023-09-04
--	-------------	---

Manufacturer address	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to EN 13555 2021-4
Product name	TF 1570	
Product dimensions	92 x 49 x 2 mm	

Relaxation ratio P_{QR} for stiffness $C = 500$ [kN/mm]										
Gasket stress	23 ± 2 °C		Temperature 1 [150 °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 [10 MPa]	0.91	8	0.59	34	0.36	54				
Stress level 2 [30 MPa]	0.87	34	0.50	126	0.28	183				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.95	92	0.73	317	0.37	373				
Q_{smax}	200 MPa		140 MPa		70 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 [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	2.010	0	2.050	0	2.010				
1	0	2.001	0	2.029	0	2.003				
5	1139	1.970	436	2.020	219	1.875				
10	1084	1.930	379	1.840	285	1.280				
15	1099	1.865	497	1.525	433	0.995				
20	1167	1.760	760	1.245	561	0.840				
30	1432	1.515	1130	1.015	770	0.670				
40	2000	1.350	1393	0.820	927	0.585				
50	2771	1.235	1687	0.715	1072	0.535				
60	3602	1.140	1849	0.650	1185	0.495				
80 / 70	5388	0.995	1996	0.580	1278	0.460				
100	5585	0.895	2224	0.525						
120	5058	0.815	2213	0.480						
140	4587	0.755	2280	0.445						
160	4266	0.705								
180	4007	0.675								
200	3805	0.635								



Fields marked: Intrusion into bore was detected. Determined after the corresponding P_{QR}-Test.