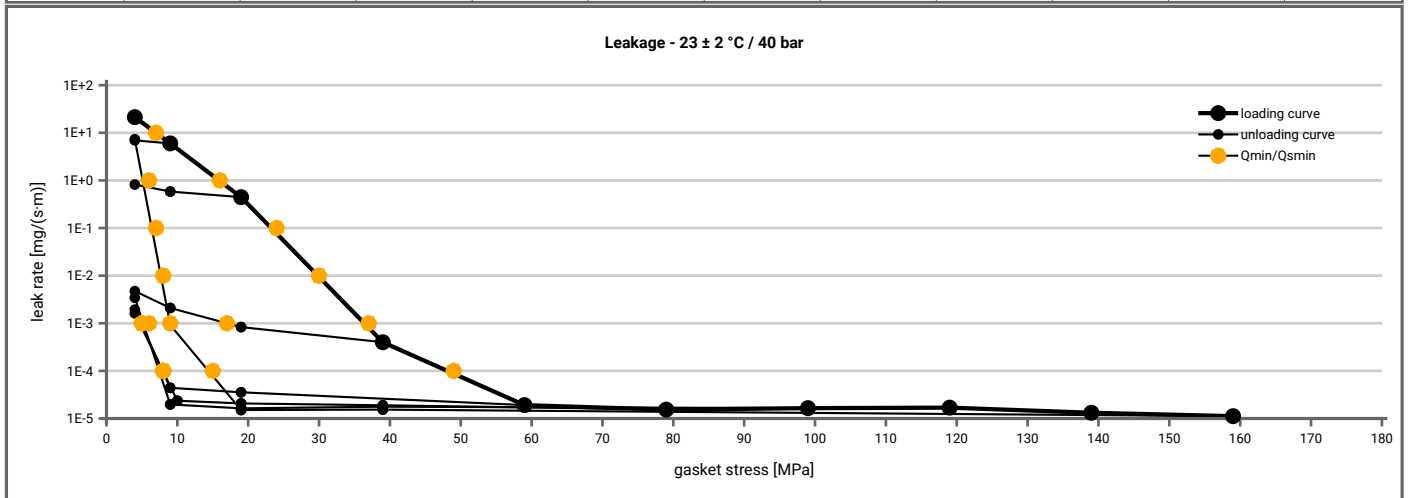


Manufacturer address	TEADIT International Produktions GmbH, Schanzenstr. 35, 51063 Köln, DE	According to DIN EN 13555 2005-2
Product name	24 SH	
Product dimensions	92 x 49 x 6 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ bar ($T = 23 \pm 2$ °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+2	5		5	5	5	5	5	5			5
1E+1	8		5	5	5	5	5	5			5
1E+0	17			5	5	5	5	5			6
1E-1	24				5	5	5	5			7
1E-2	31				5	5	5	5			9
1E-3	37				18	6	5	6			10
1E-4	49					9	8	8			15
1E-5											
1E-6											
1E-7											
1E-8											



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Relaxation ratio P_{QR} for stiffness $C = 500$ [kN/mm]										
Gasket stress	23 ± 2 °C		Temperature 1 [150 °C]		Temperature 2 [230 °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]	0.78	57	0.34	166	0.24	191				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.84	208	0.27	555	0.22	589				
Q_{smax}	150 MPa		90 MPa		90 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 [230 °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	6.030	0	5.870	0	6.190				
1	0	6.000	0	4.490	0	6.150				
20	551	2.810	364	1.970	531	1.840				
30	946	2.610	514	1.630	777	1.590				
40	1280	2.470	826	1.330	1128	1.440				
50	1854	2.360	1180	1.100	1972	1.360				
60	1902	2.250	1661	0.940	1711	1.300				
80	2840	2.110	3250	0.750	2202	1.190				
100	2990	2.000								
120	3096	1.900								
140	3560	1.830								

