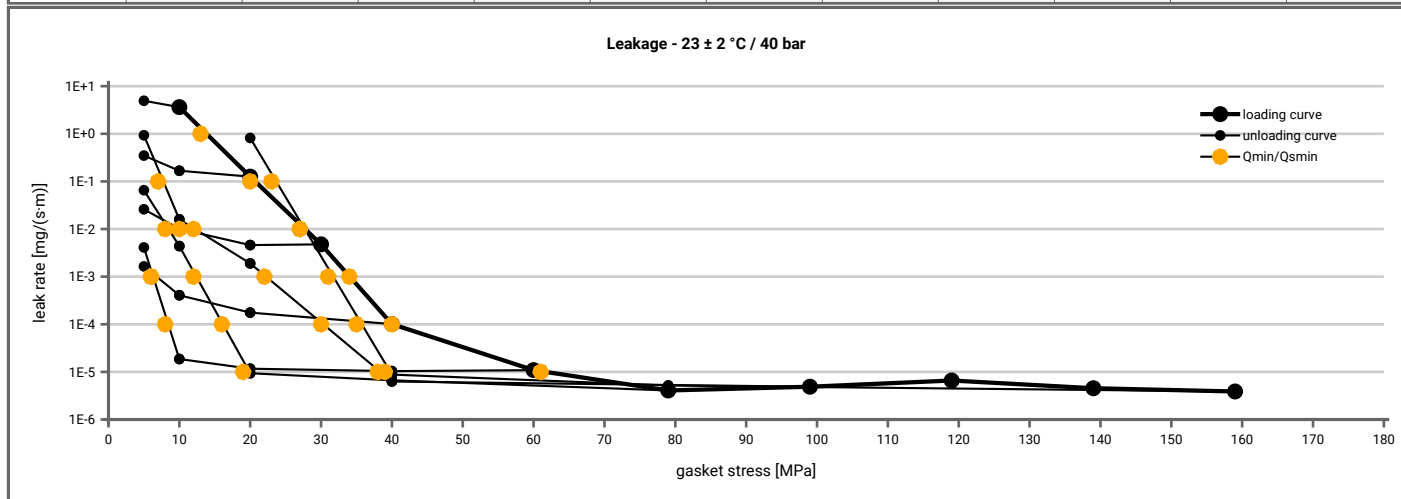


Manufacturer address	KWO Dichtungstechnik GmbH, Am Eschengrund 3, 83135 Schechen, DE	According to DIN EN 13555 2005-2
Product name	MultiTex® Sheet & Ring	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

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]	$Q_A = 30$ [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+1	10	5	5	5	5	5	5	5			20
1E-0	14		5	5	5	5	5	5			20
1E-1	21			5	5	5	5	8			24
1E-2	28			10	5	5	9	12			28
1E-3	34				7	6	12	22			32
1E-4	40					8	16	30			36
1E-5	62						20	38			40
1E-6											
1E-7											



Manufacturer address	KWO Dichtungstechnik GmbH, Am Eschengrund 3, 83135 Schechen, DE	According to DIN EN 13555 2005-2
Product name	MultiTex® Sheet & Ring	
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 [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]	0.94	16	0.67	84	0.53	118				
Stress level 2 [50 MPa]	0.98	8	0.58	176	0.44	235				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.97	50	0.60	336	0.54	390				
Q_{smax}	200 MPa		100 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 [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	2.132	0	2.134	0	2.080				
1	0	1.498	0	1.522	0	1.491				
20	408	0.770	630	0.620	484	0.515				
30	950	0.737	1640	0.536	658	0.409				
40	1092	0.717	1272	0.459	1030	0.348				
50	1638	0.704	2043	0.403	860	0.296				
60	1841	0.696	1871	0.365	977	0.265				
80	2224	0.683	1398	0.312	1395	0.235				
100	3009	0.666	1322	0.275	721	0.205				
120	3075	0.625								
140	2128	0.593								
160	2949	0.573								
180	2913	0.555								
200	2891	0.541								

