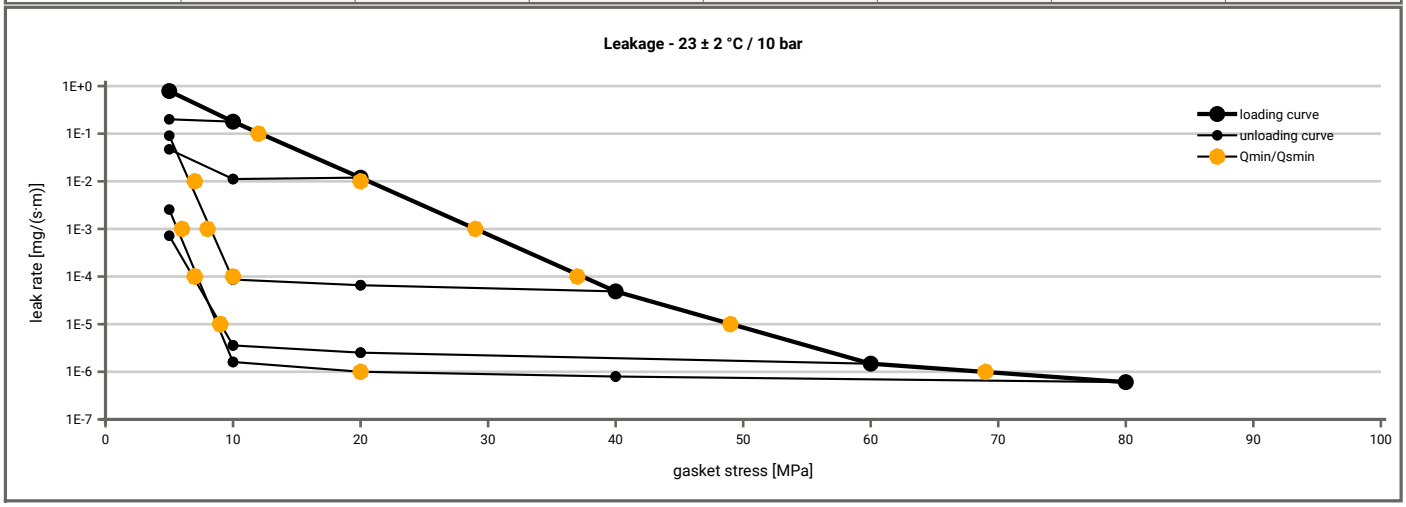
Manufacturer address	KWO Dichtungstechnik GmbH, Am Eschengrund 3, 83135 Schechen, DE	According to EN 13555 2021-4
Product name	MultiTex® Tape (width = 10 mm)	
Product dimensions	80.5 x 60.5 x 2 mm	

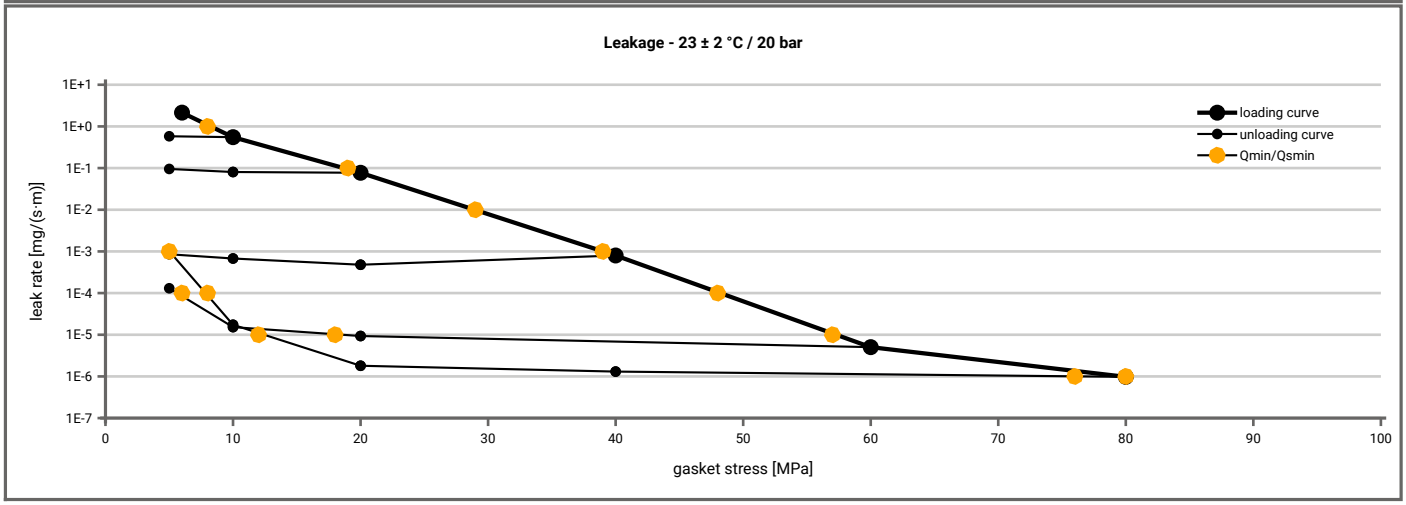
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 10 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]					
		Q_A = 6 [MPa]	Q_A = 11 [MPa]	Q_A = 20 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]
1E-0	6		6	5	6	5	5
1E-1	13			5	6	5	5
1E-2	21				7	5	5
1E-3	29				9	5	6
1E-4	38				10	7	8
1E-5	49					9	9
1E-6	69						20
1E-7							



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 20 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]					
		Q_A = 6 [MPa]	Q_A = 11 [MPa]	Q_A = 20 [MPa]	Q_A = 40 [MPa]	Q_A = 60 [MPa]	Q_A = 80 [MPa]
1E+1	6		6	5	5	5	5
1E-0	9		6	5	5	5	5
1E-1	19			5	5	5	5
1E-2	29				5	5	5
1E-3	39				5	5	5
1E-4	48					6	8
1E-5	58					19	13
1E-6	80						77
1E-7							

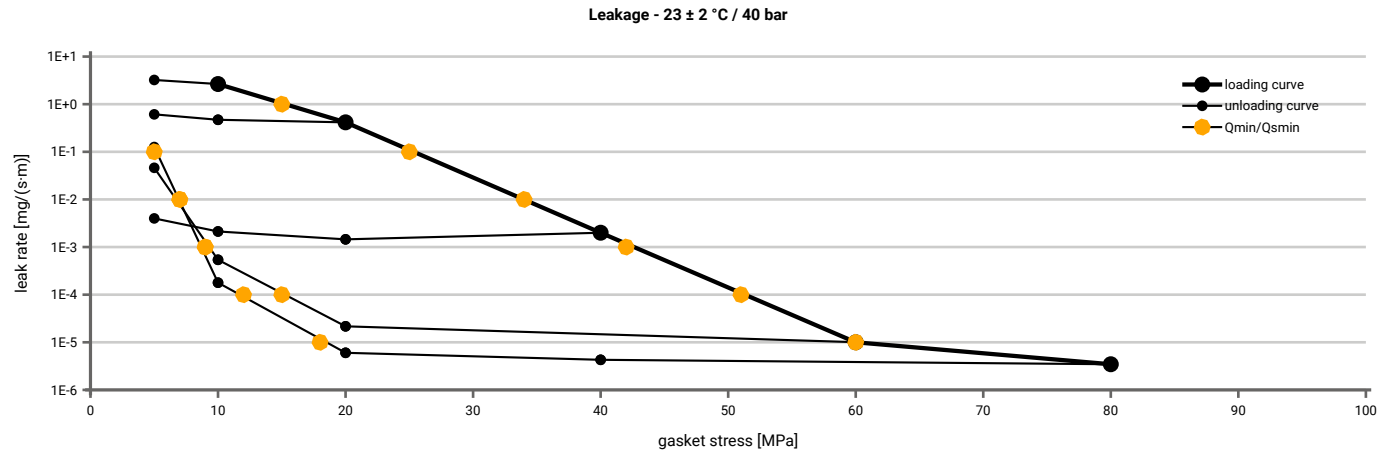


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **2**	Creation date of this sheet: **2023-08-17**

Manufacturer address	KWO Dichtungstechnik GmbH, Am Eschengrund 3, 83135 Schechen, DE	According to **EN 13555 2021-4**
Product name	MultiTex® Tape (width = 10 mm)	
Product dimensions	80.5 x 60.5 x 2 mm	

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]
1E+1	10	5	5	5	6	6
1E-0	15		5	5	6	6
1E-1	25			5	6	6
1E-2	34			5	7	7
1E-3	43				10	9
1E-4	51				16	12
1E-5	60					19
1E-6						
1E-7						



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **2**	Creation date of this sheet: **2023-08-17**

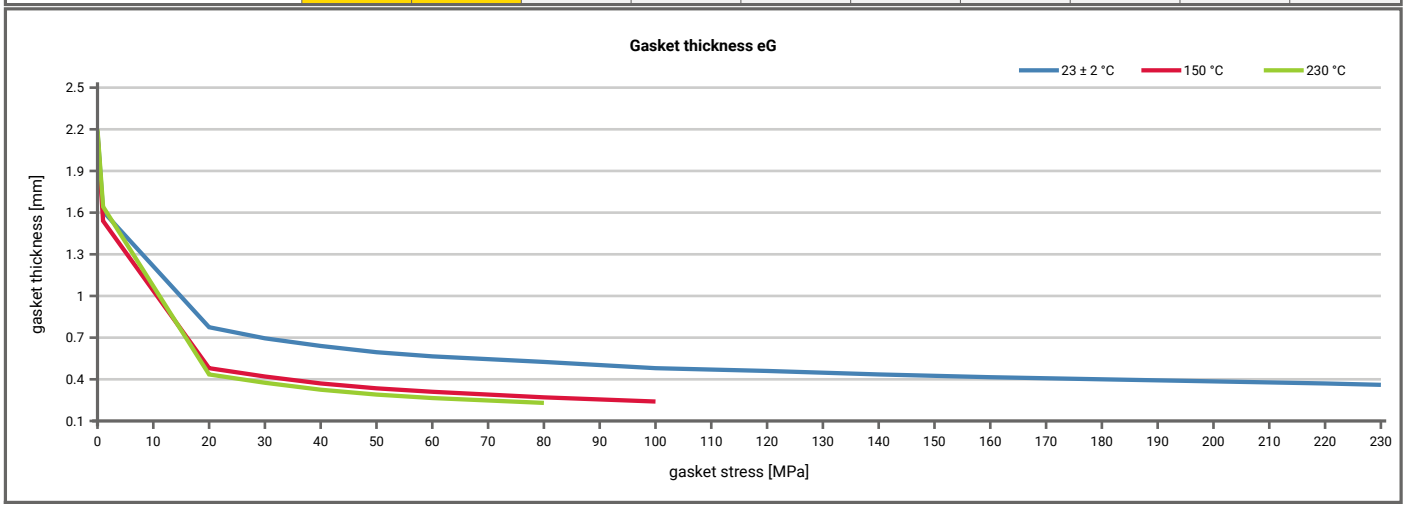
Manufacturer address	KWO Dichtungstechnik GmbH, Am Eschengrund 3, 83135 Schechen, DE	According to **EN 13555 2021-4**
Product name	MultiTex® Tape (width = 10 mm)	
Product dimensions	80.5 x 60.5 x 2 mm	

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 [20 MPa]	0.77	21	0.18	73	0.22	70				
Stress level 2 [30 MPa]	0.77	31	0.29	95	0.25	100				
Stress level 3 [50 MPa]	0.78	49	0.37	141	0.31	154				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.94	66	0.51	239	0.36	229				
Q_{smax}	230 MPa		110 MPa		80 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	2.185	0	2.160	0	2.200				
1	0	1.609	0	1.540	0	1.643				
20	652	0.775	1299	0.480	2740	0.435				
30	1010	0.695	1470	0.420	1935	0.375				
40	1321	0.640	1796	0.370	2257	0.325				
50	1576	0.595	2129	0.335	2314	0.290				
60	1788	0.565	1988	0.310	2176	0.265				
80	2137	0.525	2286	0.270	2481	0.230				
100	2472	0.480	2380	0.240						
120	2542	0.460								
140	2543	0.435								
160	2520	0.415								
180	2520	0.400								
200	2517	0.385								
220	2529	0.370								
230	2453	0.360								



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

Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **2**	Creation date of this sheet: **2023-08-17**