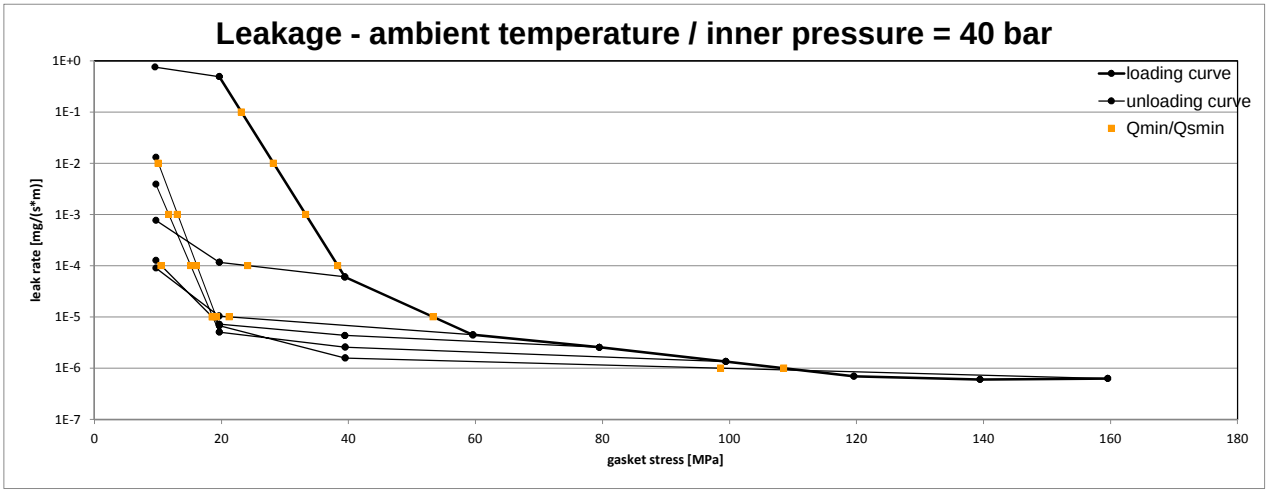
Company Address	*KWO Dichtungstechnik GmbH, Am Eschengrund 3, 83135 Schechen, Germany*
Gasket Type	*MultiTex® Tape (width = 10 mm)*
Sealing element dimensions [mm]	*80.5 x 60.5 x 2*

L [mg/(s*m)]	$Q_{min/L}$ [MPa]	Minimum stress to seal $\mathbf{Q_{min/L}}$ (at assembly), $\mathbf{Q_{Smin/L}}$ (after off-loading) for p = 40 bar $Q_{Smin/L}$ [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		
10^{-0}	20	10	10	10	10	10			10		
10^{-1}	23		10	10	10	10			10		
10^{-2}	28		10	10	10	10			10		
10^{-3}	33		10	10	10	12			13		
10^{-4}	38		24	10	11	15			16		
10^{-5}	53			21	19	19			19		
10^{-6}	109								99		
10^{-7}											
10^{-8}											



Note: the content of darkened cells was not determined respectively is unnecessary	Rev - No: 2	Creation date of this sheet:	*14.03.2014*

C S T Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

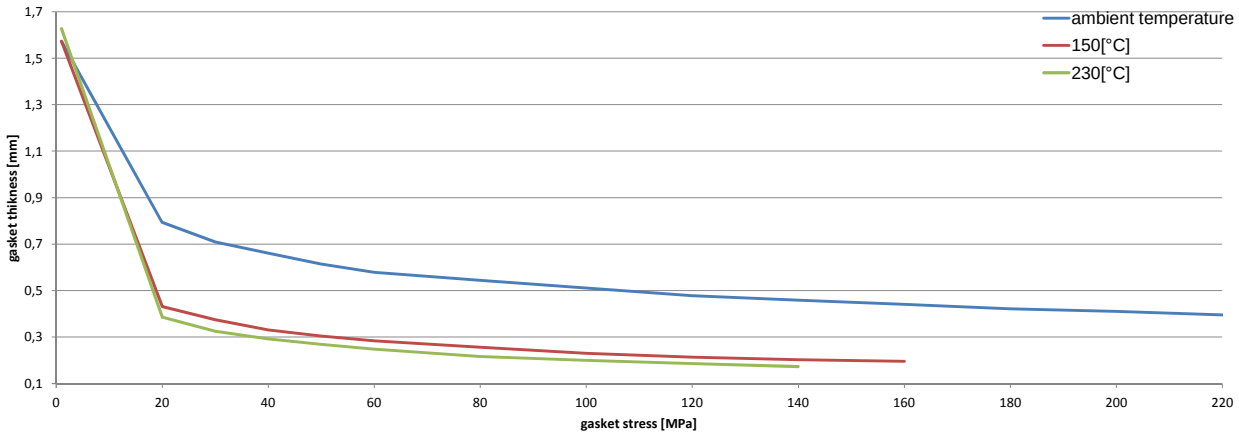
Company Address	*KWO Dichtungstechnik GmbH, Am Eschengrund 3, 83135 Schechen, Germany*
Gasket Type	*MultiTex® Tape (width = 10 mm)*
Sealing element dimensions [mm]	*80.5 x 60.5 x 2*

Relaxation ratio P_{QR} for stiffness **C** = 500 kN/mm					
Gasket stress [MPa]	ambient temperature	temperature 1 [150 °C]	temperature 2 [230 °C]		
Stress level 1 [30 MPa]	0,72	0,22	0,12		
Stress level 2 [50 MPa]	0,75	0,28	0,19		
PQR at Q_{Smax}	0,95 *at 220 MPa*	0,64 *at 160 MPa*	0,57 *at 140 MPa*		

Maximal applicable gasket stress Q_{Smax}				
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [150 °C]	Q_{Smax} [MPa] – temperature 2 [230 °C]		
220	160	140		

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	ambient temperature		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]				
1		1,572		1,574		1,628				
20	661	0,794	327	0,431	302	0,386				
30	860	0,710	595	0,375	339	0,325				
40	1706	0,661	774	0,331	667	0,293				
50	1524	0,614	1062	0,305	646	0,268				
60	1613	0,578	1225	0,284	780	0,248				
80	3052	0,544	1529	0,256	999	0,216				
100	2834	0,511	927	0,230	1402	0,200				
120	1963	0,478	1251	0,213	1323	0,186				
140	3312	0,459	1424	0,203	1198	0,173				
160	2972	0,440	1813	0,196						
180	2759	0,422								
200	3649	0,411								
220	2835	0,396								

Gasket thickness e_G



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