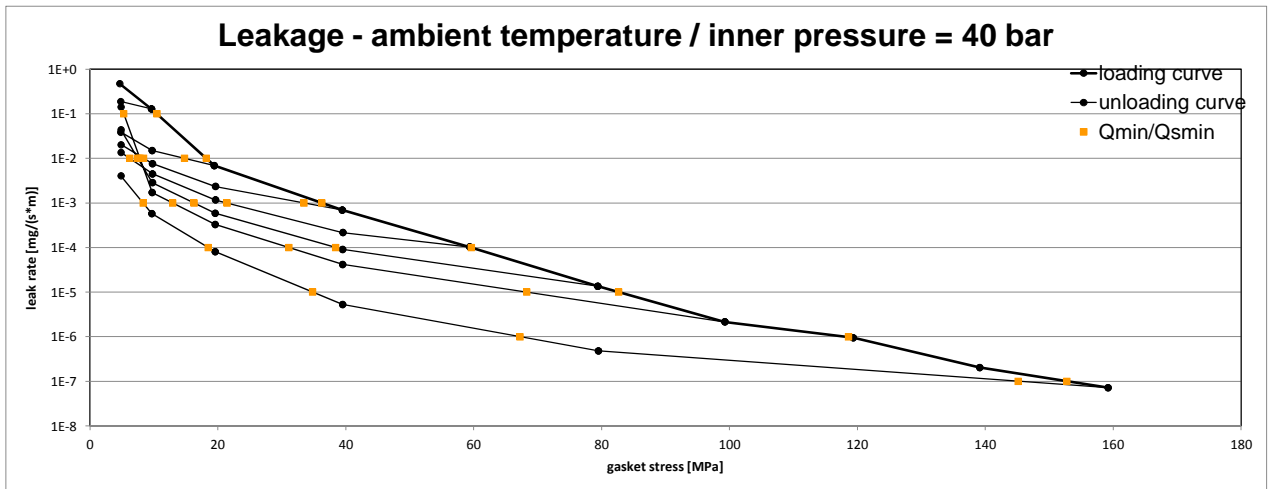


Company Address	Möller Metalldichtungen GmbH, Brunnenweg 10, 39444 Hecklingen, Germany
Gasket Type	MMKBZ (convex kammprofile gasket with graphite layers)
Sealing element dimensions [mm]	69 x 53 x 4,8

L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar									
		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	
10 ⁰	5	5	5	5	5	5	5			5	
10 ⁻¹	10		5	5	5	5	5			5	
10 ⁻²	18		15	8	6	7	8			5	
10 ⁻³	36			33	21	16	13			8	
10 ⁻⁴	60				60	38	31			18	
10 ⁻⁵	83						68			35	
10 ⁻⁶	119									67	
10 ⁻⁷	153									145	
10 ⁻⁸											



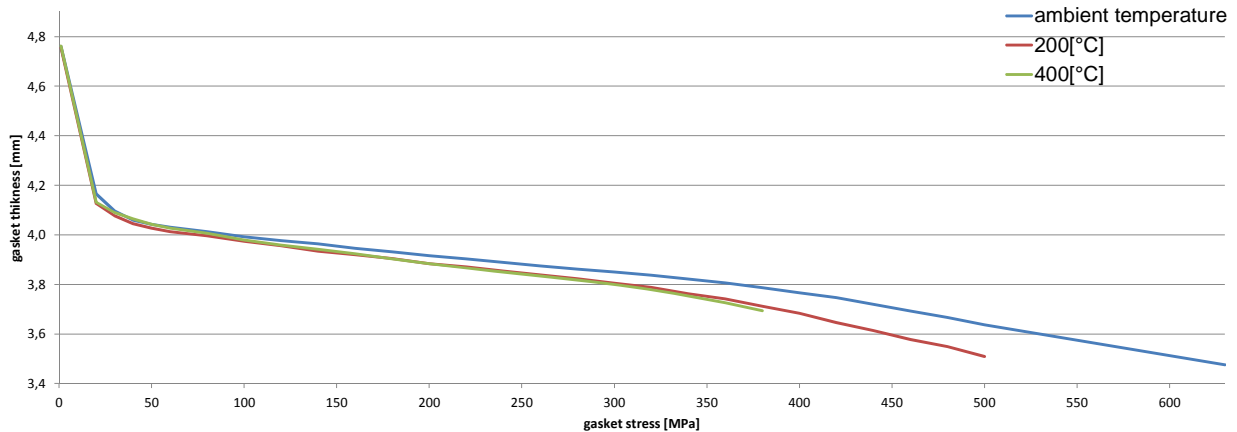
Company Address	Möller Metalldichtungen GmbH, Brunnenweg 10, 39444 Hecklingen, Germany
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Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm				
Gasket stress [MPa]	ambient temperature	temperature 1 [200 °C]	temperature 2 [400 °C]	
Stress level 1 [30 MPa]	0,96	0,95	0,87	
Stress level 2 [100 MPa]	0,99	0,99	0,98	
PQR at Q_{Smax}	0,99 at 630 MPa	0,95 at 500 MPa	0,93 at 380 MPa	

Maximal applicable gasket stress Q_{Smax}			
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [200 °C]	Q_{Smax} [MPa] – temperature 2 [400 °C]	
630	500	380	

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]						
Gasket stress [MPa]	ambient temperature		temperature 1 [200 °C]		temperature 2 [400 °C]	
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
0						
1		4,761		4,756		4,763
20	3069	4,165	6170	4,126	2280	4,132
30	4674	4,097	4920	4,078	3957	4,091
40	4409	4,060	5990	4,045	6070	4,064
50	7605	4,042	6911	4,027	5327	4,042
60	10101	4,030	10344	4,013	6880	4,026
80	11647	4,013	13765	3,997	11384	4,006
100	9734	3,992	10207	3,974	9042	3,979
120	11120	3,977	11491	3,955	12676	3,959
140	15137	3,963	13084	3,934	15900	3,941
160	15033	3,945	16304	3,919	17057	3,923
180	16183	3,931	17933	3,904	16514	3,903
200	17796	3,915	15984	3,884	15931	3,884
220	18608	3,903	17795	3,870	17261	3,867
240	21722	3,888	19559	3,854	19101	3,851
260	21085	3,875	20623	3,839	20064	3,833
280	20849	3,862	22183	3,822	22824	3,818
300	26325	3,850	23392	3,805	27171	3,799
320	26060	3,837	26929	3,788	25347	3,778
340	25366	3,821	23640	3,762	23471	3,753
360	25554	3,806	27174	3,741	25918	3,725
380	24964	3,787	25543	3,711	23706	3,693
400	25199	3,766	27821	3,683		
420	27919	3,746	23567	3,646		
440	28563	3,720	28552	3,614		
460	27946	3,693	27342	3,578		
480	28486	3,666	31390	3,548		
500	31694	3,636	25579	3,509		
630	30185	3,476				

Gasket thickness e_G



Note: the content of darkened cells was not determined respectively is unnecessary

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Creation date of this sheet:

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