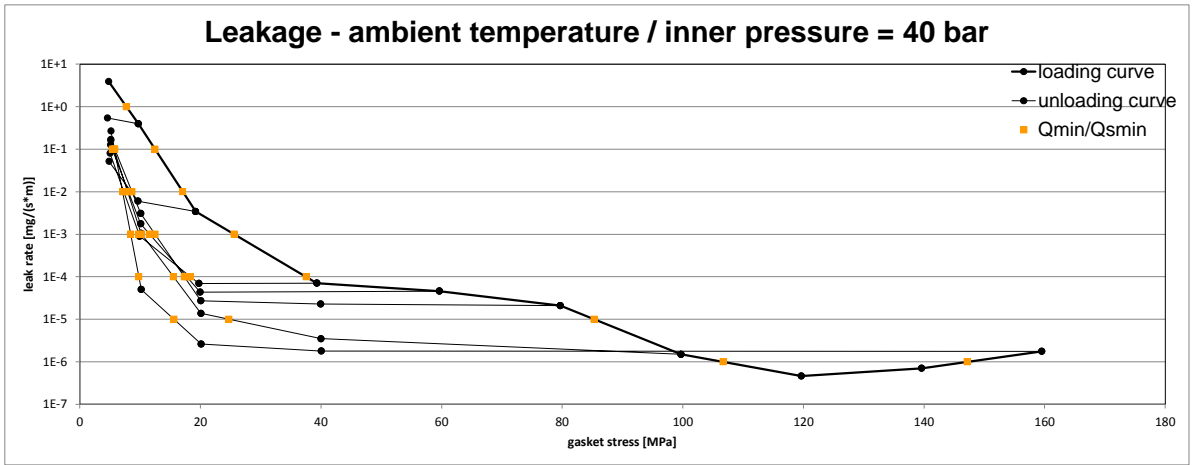


Company Address	Möller Metalldichtungen GmbH, Brunnenweg 10, 39444 Hecklingen, Germany	According to DIN EN 13555 2014-07
Gasket Type	MMD-SWG-CR-IR mit PTFE (ungesintert)	
Sealing element dimensions [mm]	68 x 56 x 4.5	

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	8		5	5	5	5	5			5	
10 ⁻¹	12		5	5	5	6	6			6	
10 ⁻²	17		9	7	8	9	8			7	
10 ⁻³	26			10	12	12	10			8	
10 ⁻⁴	38			18	18	17	16			10	
10 ⁻⁵	85						25			16	
10 ⁻⁶	107										
10 ⁻⁷											
10 ⁻⁸											

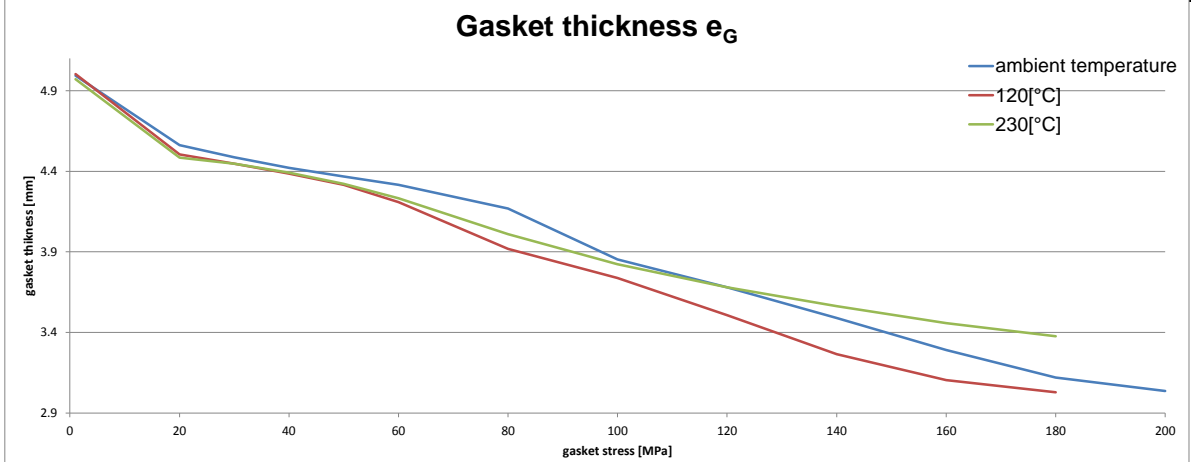


Note: the content of darkened cells was not determined respectively is unnecessary	Rev - No: 1	Creation date of this sheet: 2017-09-01
--	-------------	---

Company Address	Möller Metall dichtungen GmbH, Brunnenweg 10, 39444 Hecklingen, Germany	According to DIN EN 13555 2014-07
Gasket Type	MMD-SWG-CR-IR mit PTFE (ungesintert)	
Sealing element dimensions [mm]	68 x 56 x 4.5	

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm										
Gasket stress	ambient temperature		temperature 1 [120 °C]		temperature 2 [230 °C]		P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]
	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]				
Stress level 1 [50 MPa]	0.91	0.011	0.77	0.027	0.70	0.036				
Stress level 2 [140 MPa]	0.94	0.020	0.87	0.044	0.85	0.049				
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}										
P_{QR} at Q_{Smax}	0.98	0.009	0.89	0.048	0.90	0.042				
Q_{Smax}	200 MPa		180 MPa		180 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]												
Gasket stress [MPa]	ambient temperature		temperature 1 [120 °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]	E_G [MPa]	e_G [mm]						
0												
1		4.993		5.003		4.971						
20	2851	4.561	2132	4.505	3055	4.485						
30	3549	4.487	3081	4.447	4609	4.447						
40	4414	4.422	4137	4.386	5206	4.392						
50	5388	4.368	4848	4.315	5406	4.321						
60	6202	4.317	4905	4.208	5534	4.232						
80	6338	4.168	4191	3.919	5672	4.009						
100	5367	3.853	4998	3.737	6183	3.824						
120	6160	3.680	5861	3.507	7549	3.681						
140	7352	3.490	6548	3.264	9192	3.562						
160	8205	3.290	7471	3.103	11434	3.457						
180	9262	3.119	8828	3.028	12485	3.377						
200	10684	3.036										
220												
240												
260												
280												
300												
320												
340												
360												
380												
400												
420												
440												
460												
480												
500												
940												



Note: the content of darkened cells was not determined respectively is unnecessary	Rev - No: 1	Creation date of this sheet: 2017-09-01
--	-------------	---