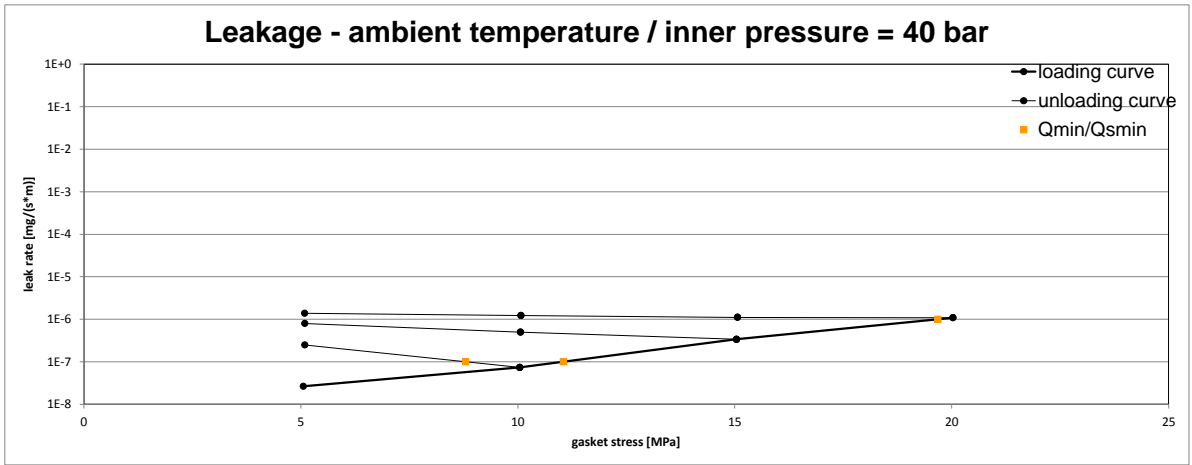


Company Address	Möller Industrietechnik GmbH, Brunnenweg 10, 39444 Hecklingen, Germany	According to DIN EN 13555 2014-07
Gasket Type	MIT-RSG NBR	
Sealing element dimensions [mm]	92 x 49 x 4	

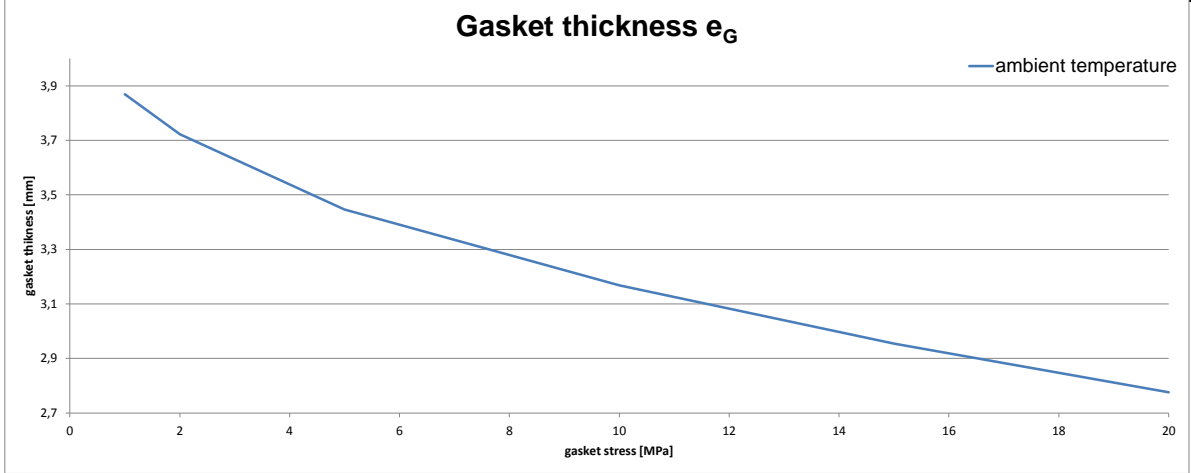
L [mg/(s*m)]	Q _{min,L} [MPa]	Minimum stress to seal Q _{min,L} (at assembly), Q _{Smin,L} (after off-loading) for p = 40 bar							
		Q _{Smin,L} [MPa]							
		Q _A = 10 MPa	Q _A = 15 MPa	Q _A = 20 MPa					
10 ⁰	5	5	5	5					
10 ⁻¹	5	5	5	5					
10 ⁻²	5	5	5	5					
10 ⁻³	5	5	5	5					
10 ⁻⁴	5	5	5	5					
10 ⁻⁵	5	5	5	5					
10 ⁻⁶									
10 ⁻⁷									
10 ⁻⁸									



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Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm										
Gasket stress	ambient temperature		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 [5 MPa]	0.76	0.010								
Stress level 2 [10 MPa]	0.85	0.013								
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}										
P_{QR} at Q_{Smax}	0.86	0.018								
Q_{Smax}	15 MPa									

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	ambient temperature		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		3.869								
2	50	3.722								
5	81	3.446								
10	166	3.168								
15	297	2.955								
20	468	2.776								
80										
100										
120										
140										
160										
180										
200										
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: 2021-01-18
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