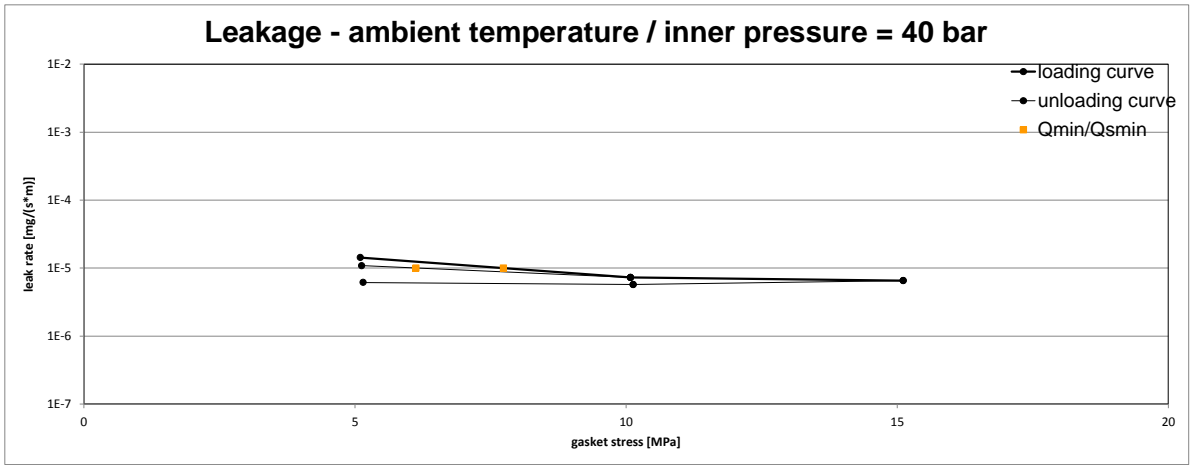


Company Address	Möller Industrietechnik GmbH, Brunnenweg 10, 39444 Hecklingen, Germany	According to <b>DIN EN 13555</b> 2021-04
Gasket Type	RSG EPDM	
Sealing element dimensions [mm]	92 x 49 x 4	

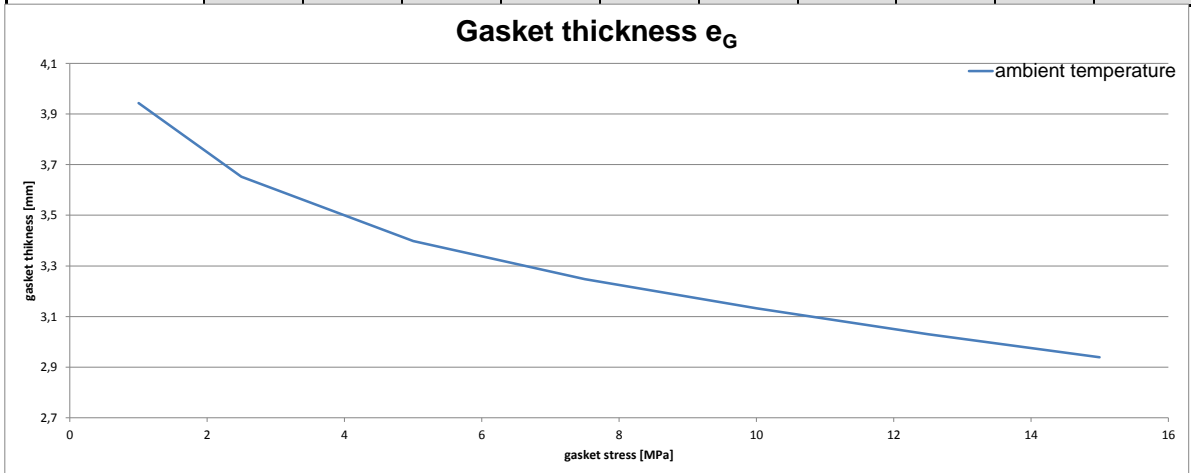
L [mg/(s*m)]	Q <sub>min,L</sub> [MPa]	Minimum stress to seal Q <sub>min,L</sub> (at assembly), Q <sub>Smin,L</sub> (after off-loading) for p = 40 bar									
		Q <sub>Smin,L</sub> [MPa]									
10 <sup>0</sup>	5	Q <sub>A</sub> = 10 MPa	Q <sub>A</sub> = 15 MPa								
10 <sup>-1</sup>	5	5	5								
10 <sup>-2</sup>	5	5	5								
10 <sup>-3</sup>	5	5	5								
10 <sup>-4</sup>	5	5	5								
10 <sup>-5</sup>	8	6	5								
10 <sup>-6</sup>											
10 <sup>-7</sup>											
10 <sup>-8</sup>											



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Relaxation ratio $P_{QR}$ for stiffness $C = 500$ kN/mm										
Gasket stress	ambient temperature									
	$P_{QR}$	$\Delta e_{Gc}$ [mm]	$P_{QR}$	$\Delta e_{Gc}$ [mm]	$P_{QR}$	$\Delta e_{Gc}$ [mm]	$P_{QR}$	$\Delta e_{Gc}$ [mm]	$P_{QR}$	$\Delta e_{Gc}$ [mm]
Stress level 1 [5 MPa]	0.83	0.007								
Stress level 2 [10 MPa]	0.82	0.016								
$P_{QR}$ and $\Delta e_{Gc}$ at maximal applicable gasket stress $Q_{Smax}$										
$P_{QR}$ at $Q_{Smax}$	0.79	0.027								
$Q_{Smax}$	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		3.943								
2.5	60	3.652								
5	129	3.398								
7.5	220	3.247								
10	323	3.132								
12.5	436	3.030								
15	541	2.939								
18										
20										
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: 2024-08-30
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