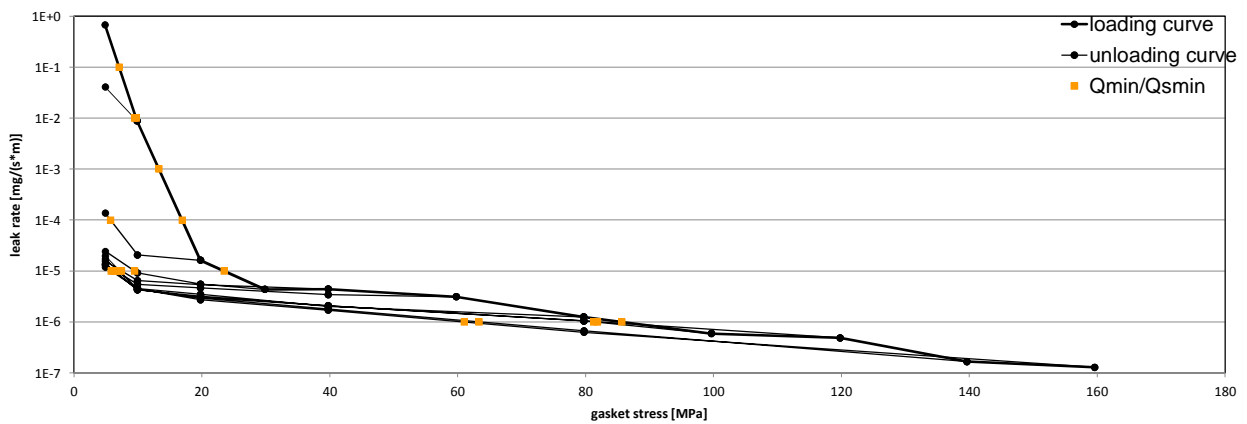


Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany
Gasket Type	Gylori® Style 3510
Sealing element dimensions [mm]	92 x 49 x 2

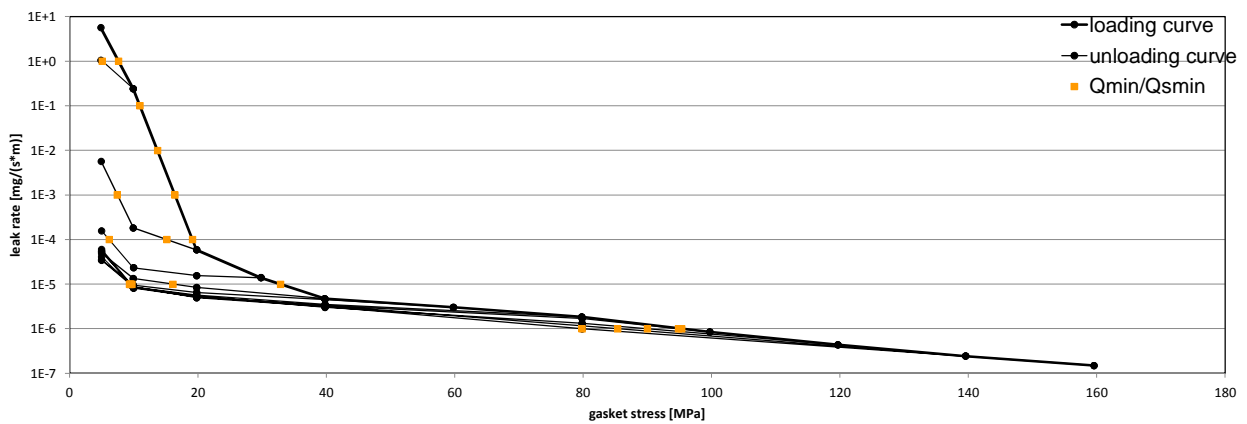
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa
10 ⁰	5	5	5	5	5	5	5	5	5	5	5
10 ⁻¹	7	5	5	5	5	5	5	5	5	5	5
10 ⁻²	10	9	5	5	5	5	5	5	5	5	5
10 ⁻³	13		5	5	5	5	5	5	5	5	5
10 ⁻⁴	17		6	5	5	5	5	5	5	5	5
10 ⁻⁵	23			9	7	6	6	6	6	7	7
10 ⁻⁶	86							81	82	63	61
10 ⁻⁷											
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 10 bar



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 = 20 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 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	5	5	5	5
10 ⁻¹	11		5	5	5	5	5	5	5	5	5
10 ⁻²	14		5	5	5	5	5	5	5	5	5
10 ⁻³	16		7	5	5	5	5	5	5	5	5
10 ⁻⁴	19		15	6	5	5	5	5	5	5	5
10 ⁻⁵	33				16	10	9	9	10	9	10
10 ⁻⁶	95							95	90	85	80
10 ⁻⁷											
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 20 bar



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

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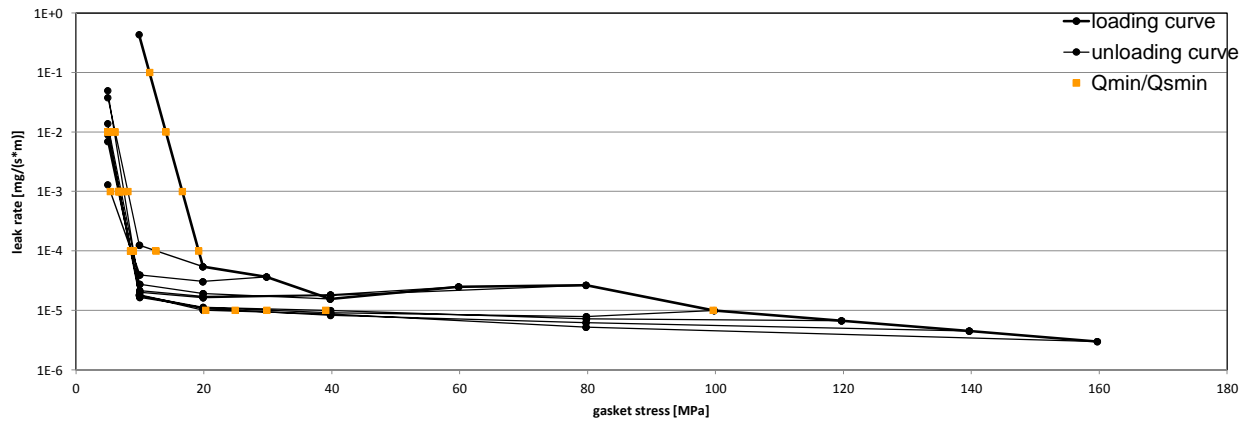


Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany
Gasket Type	Gylori® Style 3510
Sealing element dimensions [mm]	92 x 49 x 2

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 = 20 MPa	Q _A = 30 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	10	5	5	5	5	5	5	5	5	5	
10 ⁻¹	11	5	5	5	5	5	5	5	5	5	
10 ⁻²	14	6	5	5	6	5	5	5	5	5	
10 ⁻³	17	8	5	7	7	7	7	7	7	7	
10 ⁻⁴	19	13	9	9	9	9	9	9	9	9	
10 ⁻⁵	100						30	39	25	20	
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 40 bar



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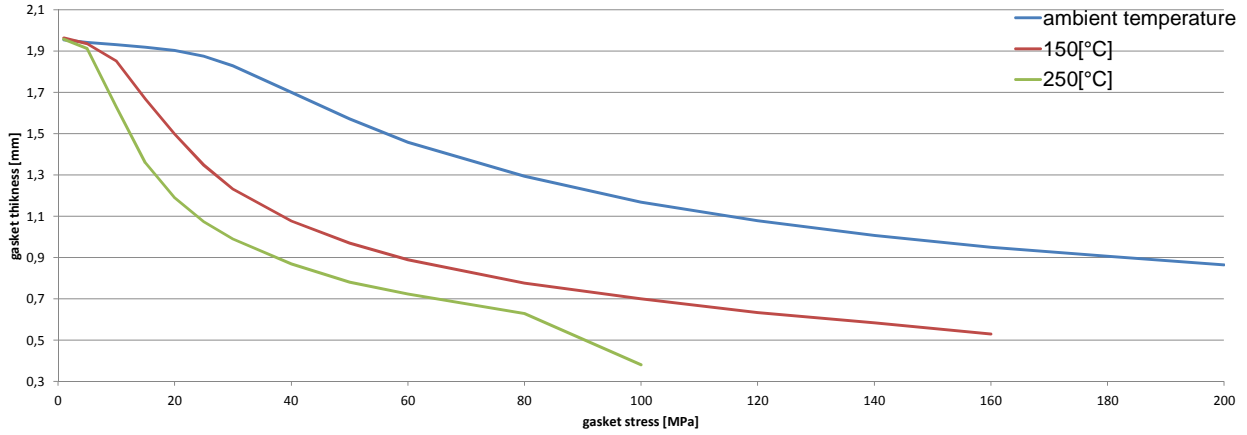
Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany
Gasket Type	Gylori® Style 3510
Sealing element dimensions [mm]	92 x 49 x 2

Relaxation ratio P _{GR} for stiffness C = 500 kN/mm				
Gasket stress [MPa]	ambient temperature	temperature 1 [150 °C]	temperature 2 [250 °C]	
Stress level 1 [10 MPa]	0,89	0,87	0,58	
Stress level 2 [30 MPa]	0,90	0,50	0,30	
PQR at Q _{Smax}	0,94 at 200 MPa	0,73 at 160 MPa	0,45 at 100 MPa	

Maximal applicable gasket stress Q _{Smax}			
Q _{Smax} [MPa] ambient temperature	Q _{Smax} [MPa] – temperature 1 [150 °C]	Q _{Smax} [MPa] – temperature 2 [250 °C]	
200	160	100	

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 [250 °C]	
	E _G [MPa]	e _G [mm]	E _G [MPa]	e _G [mm]	E _G [MPa]	e _G [mm]
0		1,976		1,980		1,979
1		1,954		1,963		1,958
5	1883	1,941	2430	1,935	745	1,912
10	1895	1,930	644	1,852	542	1,630
15	2065	1,918	740	1,667	683	1,358
20	2508	1,903	1309	1,499	592	1,190
25	2132	1,874	1051	1,348	740	1,074
30	2400	1,828	928	1,232	767	0,990
40	2847	1,700	1097	1,076	1173	0,869
50	2675	1,571	1481	0,970	1047	0,781
60	4305	1,458	1554	0,890	1397	0,724
80	6233	1,294	1801	0,775	2256	0,628
100	5601	1,168	2900	0,700	1876	0,381
120	5747	1,078	2201	0,633		
140	4927	1,006	4082	0,584		
160	5562	0,949	4890	0,529		
180	5411	0,906				
200	4750	0,864				

Gasket thickness e_G



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