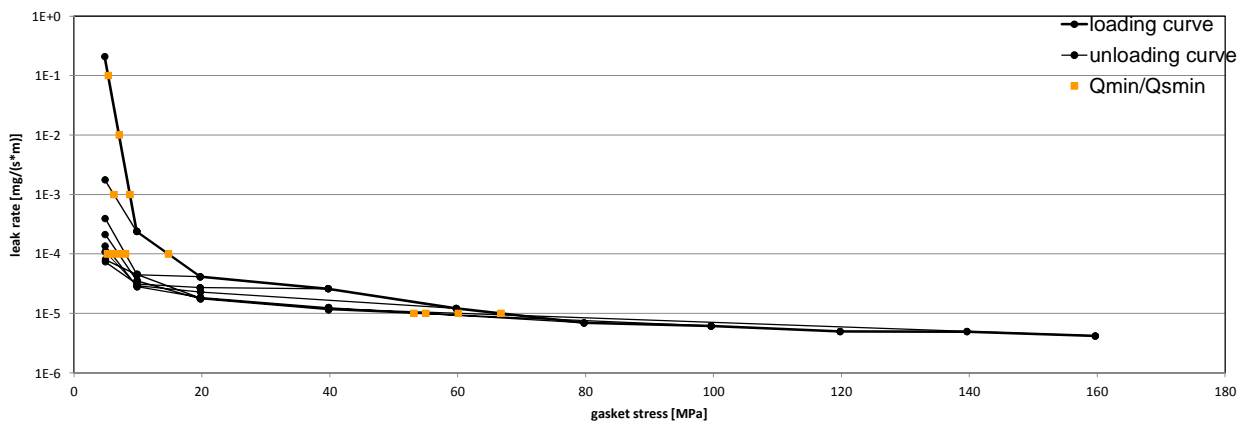


Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany
Gasket Type	Gylori® Style 3504
Sealing element dimensions [mm]	92 x 49 x 2

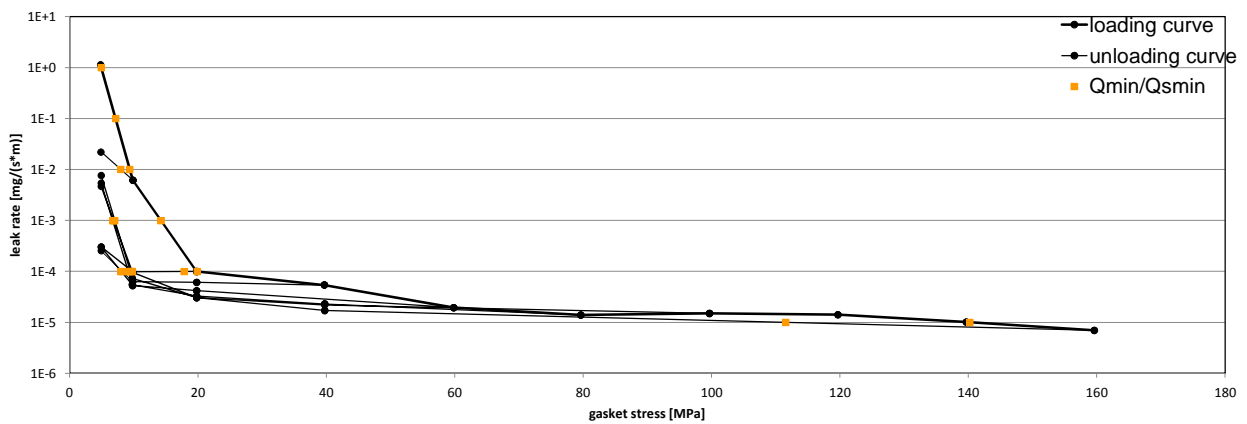
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa	
10 ⁰	5	5	5	5	5	5	5			5	
10 ⁻¹	5	5	5	5	5	5	5			5	
10 ⁻²	7	5	5	5	5	5	5			5	
10 ⁻³	9	6	5	5	5	5	5			5	
10 ⁻⁴	15		5	5	5	6	7			8	
10 ⁻⁵	67					55	53			60	
10 ⁻⁶											
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 = 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	7	5	5	5	5	5	5			5	
10 ⁻²	9	8	5	5	5	5	5			5	
10 ⁻³	14		5	5	5	7	7			7	
10 ⁻⁴	20		18	8	8	9	9			10	
10 ⁻⁵	140									112	
10 ⁻⁶											
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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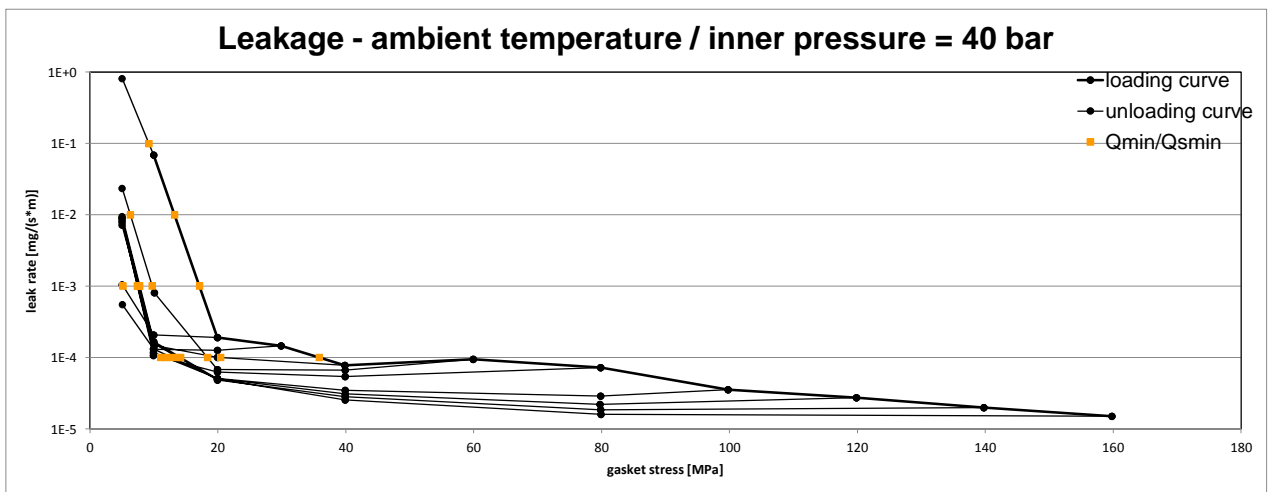
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Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany
Gasket Type	Gylori® Style 3504
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	9	5	5	5	5	5	5	5	5	5	
10 ⁻¹	9	5	5	5	5	5	5	5	5	5	
10 ⁻²	13	5	5	5	6	5	5	5	5	5	
10 ⁻³	17	5	5	8	10	7	7	8	8	8	
10 ⁻⁴	36			20	18	11	12	13	14	14	
10 ⁻⁵											
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											

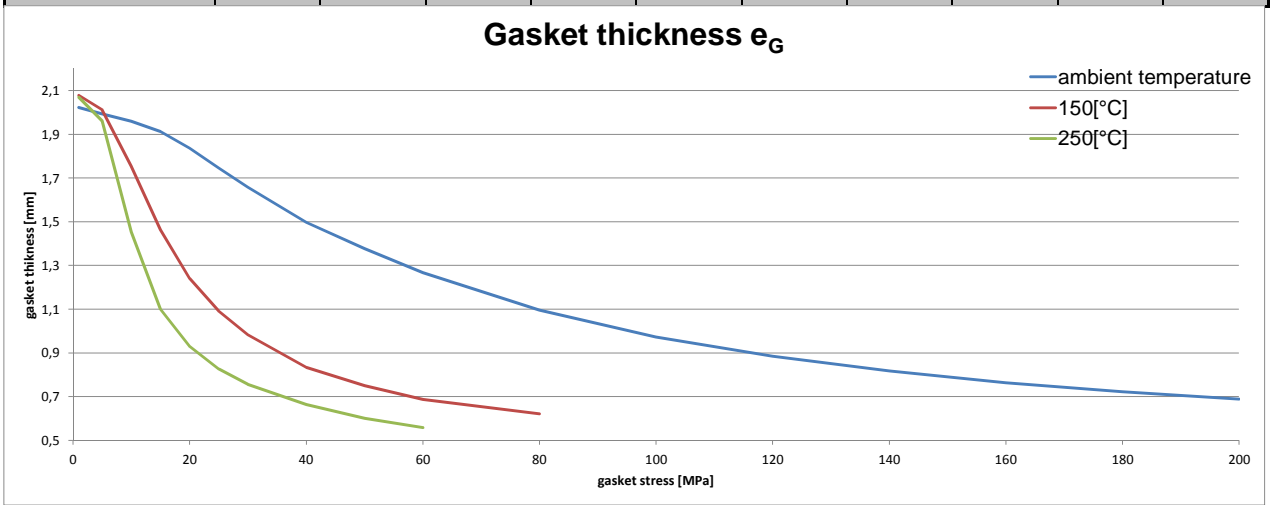


Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany
Gasket Type	Gylori® Style 3504
Sealing element dimensions [mm]	92 x 49 x 2

Relaxation ratio P_{GR} for stiffness $C = 500 \text{ kN/mm}$				
Gasket stress [MPa]	ambient temperature	temperature 1 [150 °C]	temperature 2 [250 °C]	
Stress level 1 [10 MPa]	0,80	0,46	0,31	
Stress level 2 [20 MPa]	0,78	0,41	0,27	
PQR at Q_{Smax}	0,95 at 200 MPa	0,55 at 80 MPa	0,36 at 60 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	80	60	

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]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
0		2,034		2,093		2,085				
1		2,022		2,078		2,070				
5	654	1,993	388	2,013	226	1,961				
10	809	1,960	321	1,754	270	1,454				
15	938	1,912	484	1,463	347	1,100				
20	930	1,836	474	1,241	369	0,931				
25	921	1,746	629	1,091	463	0,827				
30	1248	1,658	951	0,982	655	0,756				
40	1700	1,497	887	0,834	746	0,665				
50	1799	1,376	861	0,750	651	0,601				
60	2185	1,268	997	0,688	932	0,559				
80	2586	1,096	1497	0,622						
100	3319	0,973								
120	3451	0,884								
140	3589	0,817								
160	3332	0,764								
180	3245	0,723								
200	3254	0,689								



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