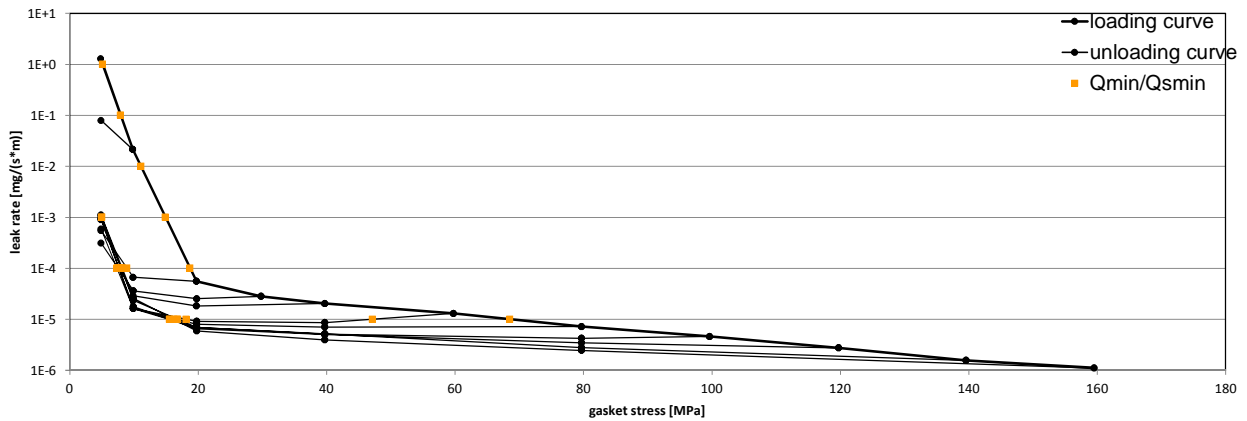


Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany
Gasket Type	Gylori® Style 3510
Sealing element dimensions [mm]	92 x 49 x 3,2

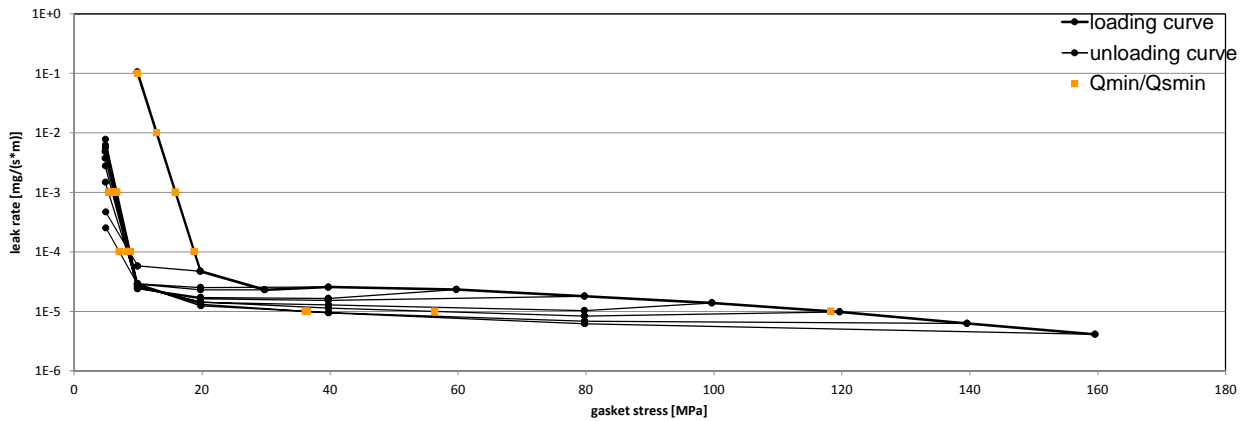
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa
10 ⁰	5	5	5	5	5	5	5	5	5	5	5
10 ⁻¹	8	5	5	5	5	5	5	5	5	5	5
10 ⁻²	11		5	5	5	5	5	5	5	5	5
10 ⁻³	15		5	5	5	5	5	5	5	5	5
10 ⁻⁴	19		9	8	8	7	8	8	8	8	8
10 ⁻⁵	69					47	17	16	16	17	16
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 = 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	10	10	10	10	10	10	10	10	
10 ⁻¹	10	10	10	10	10	10	10	10	10	10
10 ⁻²	13	10	10	10	10	10	10	10	10	10
10 ⁻³	16	10	10	5	6	6	6	7	7	7
10 ⁻⁴	19	9	7	8	8	8	9	9	9	9
10 ⁻⁵	118							56	36	36
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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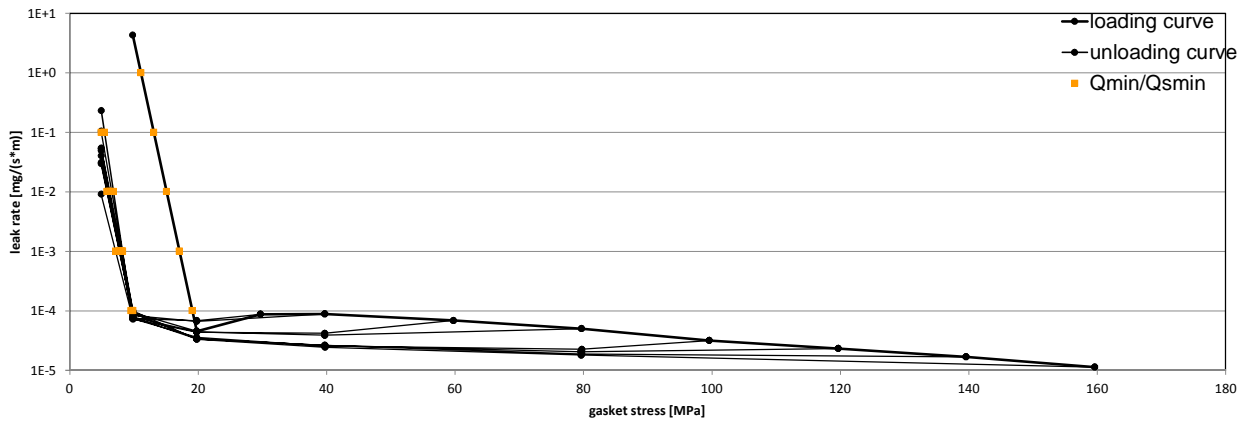
Creation date of this sheet:

07.01.2015

Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany
Gasket Type	Gylori® Style 3510
Sealing element dimensions [mm]	92 x 49 x 3,2

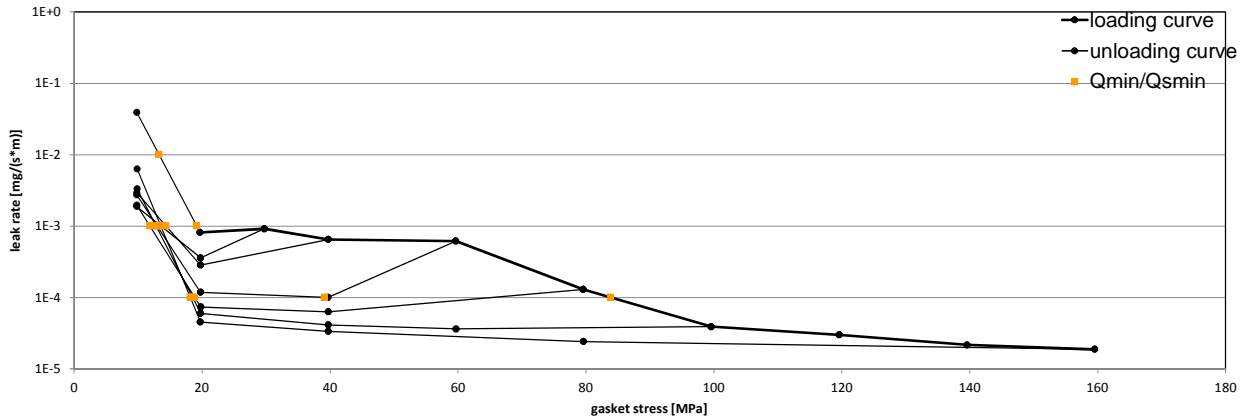
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar									
		Q _{Smin/L} [MPa]									
		Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	Q _A = 120 MPa	Q _A = 140 MPa	Q _A = 160 MPa	
10 ⁰	11	10	10	10	10	10	10	10	10	10	
10 ⁻¹	13	5	10	10	5	10	10	10	10	10	
10 ⁻²	15	7	10	6	7	6	6	6	6	6	
10 ⁻³	17	8	7	8	8	8	8	8	8	8	
10 ⁻⁴	19	10	10	10	10	10	10	10	10	10	
10 ⁻⁵											
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 40 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 = 80 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	20	10	10	10	10	10	10			10	
10 ⁻¹	20	10	10	10	10	10	10			10	
10 ⁻²	20	13	10	10	10	10	10			10	
10 ⁻³	20	19	14	14	13	12	13			14	
10 ⁻⁴	84						18			18	
10 ⁻⁵											
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 80 bar



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

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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 3,2

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm					
Gasket stress [MPa]	ambient temperature	temperature 1 [150 °C]	temperature 2 [200 °C]	temperature 3 [250 °C]	
Stress level 1 [10 MPa]	0,89	0,65	0,53	0,47	
Stress level 2 [30 MPa]	0,85	0,37	0,27	0,22	
PQR at Q_{Smax}	0,87 at 160 MPa	0,50 at 120 MPa	0,48 at 100 MPa	0,26 at 80 MPa	

Maximal applicable gasket stress Q_{Smax}				
Q_{Smax} [MPa]	Q_{Smax} [MPa] – temperature 1 [150 °C]	Q_{Smax} [MPa] – temperature 2 [200 °C]	Q_{Smax} [MPa] – temperature 3 [250 °C]	
ambient temperature	120	100	80	
160				

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 [200 °C]		temperature 3 [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]		
0		2,990		3,149		3,079		3,116		
1		2,970		3,129		3,066		3,098		
5	3895	2,961	1221	3,104	717	3,017	425	2,949		
10	1898	2,947	692	2,960	590	2,673	481	2,400		
15	1620	2,925	772	2,586	687	2,249	527	1,960		
20	2013	2,895	889	2,267	791	1,946	610	1,706		
25	2075	2,833	1068	2,021	917	1,746	718	1,522		
30	1834	2,720	1054	1,832	1059	1,601	899	1,386		
40	2268	2,402	1204	1,570	1466	1,407	1077	1,196		
50	3790	2,146	1850	1,405	1867	1,281	1433	1,064		
60	3254	1,928	1896	1,277	2155	1,185	1613	0,969		
80	4889	1,673	2559	1,088	3222	1,040	2335	0,798		
100	5377	1,508	3250	0,957	4504	0,920				
120	5186	1,395	5374	0,843						
140	4787	1,307								
160	5864	1,243								

