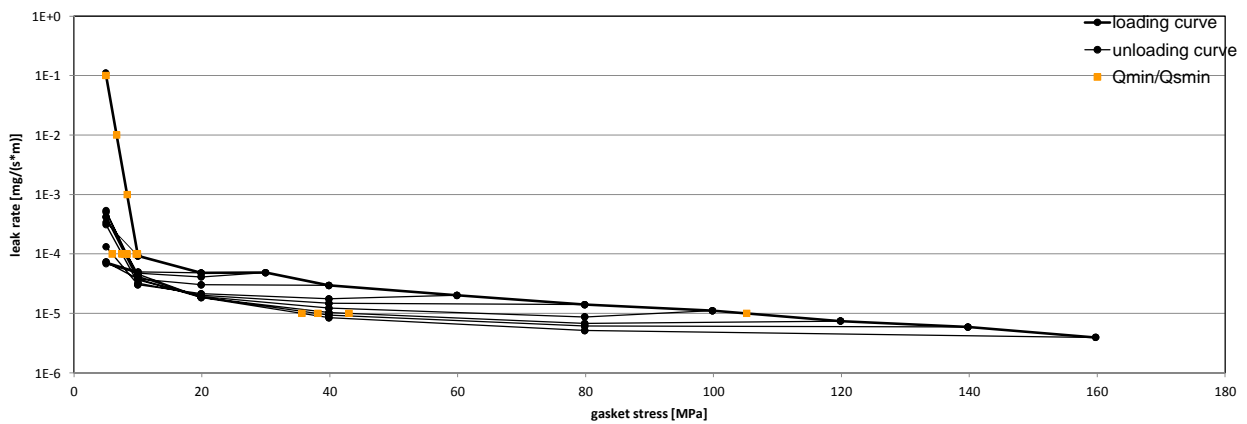


Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany
Gasket Type	Gylori® Style 3504
Sealing element dimensions [mm]	92 x 49 x 3.2

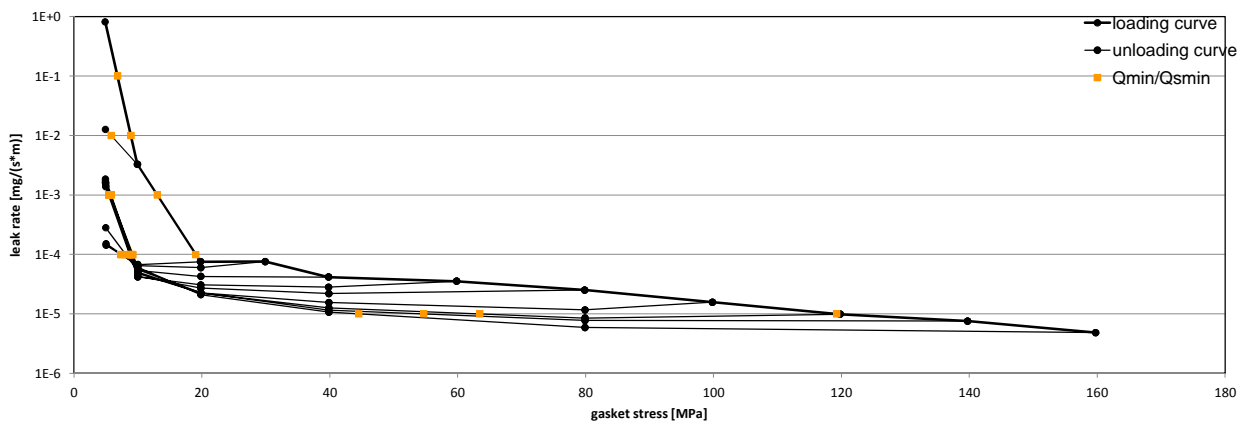
L [mg/(s·m)]	Q <sub>min/L</sub> [MPa]	Minimum stress to seal Q <sub>min/L</sub> (at assembly), Q <sub>Smin/L</sub> (after off-loading) for p = 10 bar									
		Q <sub>Smin/L</sub> [MPa]									
		Q <sub>A</sub> = 10 MPa	Q <sub>A</sub> = 20 MPa	Q <sub>A</sub> = 30 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa
10 <sup>0</sup>	5	5	5	5	5	5	5	5	5	5	5
10 <sup>-1</sup>	5	5	5	5	5	5	5	5	5	5	5
10 <sup>-2</sup>	7	5	5	5	5	5	5	5	5	5	5
10 <sup>-3</sup>	8	5	5	5	5	5	5	5	5	5	5
10 <sup>-4</sup>	10	10	5	5	5	5	6	8	8	8	8
10 <sup>-5</sup>	105								43	38	36
10 <sup>-6</sup>											
10 <sup>-7</sup>											
10 <sup>-8</sup>											

### Leakage - ambient temperature / inner pressure = 10 bar



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 = 20 bar									
		Q <sub>Smin/L</sub> [MPa]									
		Q <sub>A</sub> = 10 MPa	Q <sub>A</sub> = 20 MPa	Q <sub>A</sub> = 30 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa
10 <sup>0</sup>	5	5	5	5	5	5	5	5	5	5	5
10 <sup>-1</sup>	7	5	5	5	5	5	5	5	5	5	5
10 <sup>-2</sup>	9	6	5	5	5	5	5	5	5	5	5
10 <sup>-3</sup>	13		5	5	5	5	6	6	6	6	6
10 <sup>-4</sup>	19		7	7	8	9	9	9	9	9	9
10 <sup>-5</sup>	119								63	55	45
10 <sup>-6</sup>											
10 <sup>-7</sup>											
10 <sup>-8</sup>											

### Leakage - ambient temperature / inner pressure = 20 bar



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

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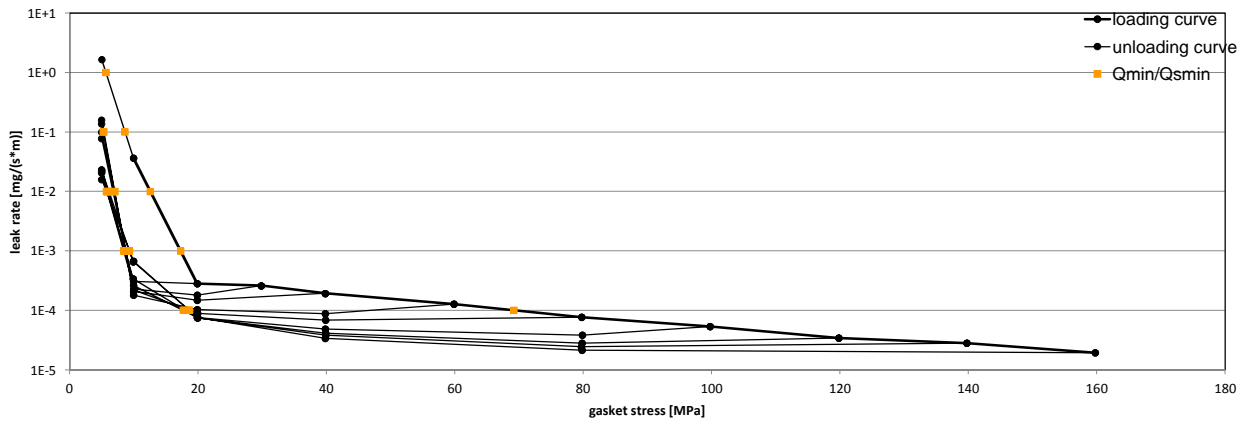


Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany
Gasket Type	Gylori® Style 3504
Sealing element dimensions [mm]	92 x 49 x 3.2

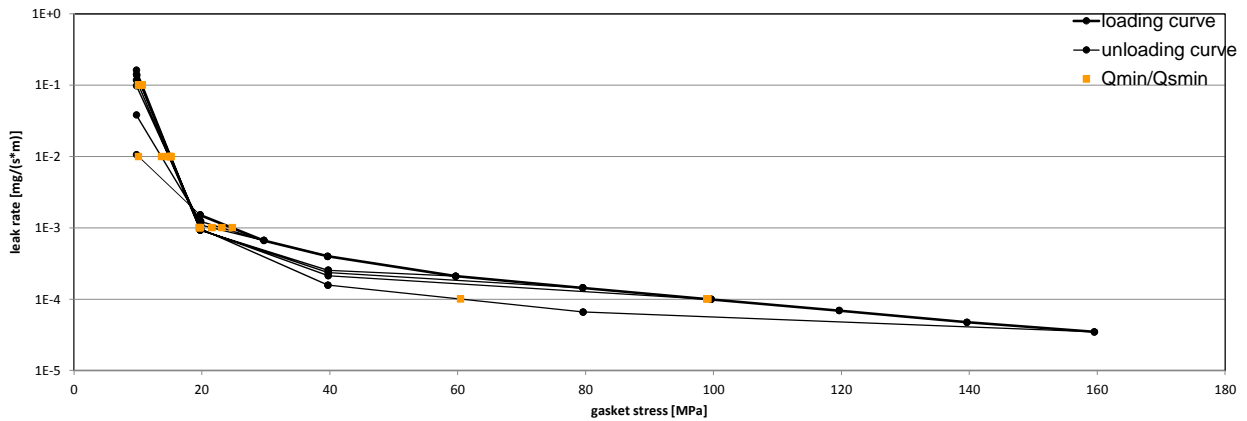
L [mg/(s*m)]	Q <sub>min/L</sub> [MPa]	Minimum stress to seal Q <sub>min/L</sub> (at assembly), Q <sub>Smin/L</sub> (after off-loading) for p = 40 bar									
		Q <sub>Smin/L</sub> [MPa]									
		Q <sub>A</sub> = 10 MPa	Q <sub>A</sub> = 20 MPa	Q <sub>A</sub> = 30 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa
10 <sup>0</sup>	10	6	5	5	5	5	5	5	5	5	5
10 <sup>-1</sup>	10	9	5	5	5	5	5	5	5	5	5
10 <sup>-2</sup>	13		6	7	7	7	7	6	6	6	6
10 <sup>-3</sup>	17		9	9	9	9	9	8	9	9	9
10 <sup>-4</sup>	69						19	18	18	19	19
10 <sup>-5</sup>											
10 <sup>-6</sup>											
10 <sup>-7</sup>											
10 <sup>-8</sup>											

### Leakage - ambient temperature / inner pressure = 40 bar



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 = 80 bar								
		Q <sub>Smin/L</sub> [MPa]								
		Q <sub>A</sub> = 30 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa	
10 <sup>0</sup>	10	20	20	20	20	20			20	
10 <sup>-1</sup>	10	20	20	10	10	11			10	
10 <sup>-2</sup>	10	14	15	15	15	15			15	
10 <sup>-3</sup>	25	23	22	20	20	20			20	
10 <sup>-4</sup>	99					99			60	
10 <sup>-5</sup>										
10 <sup>-6</sup>										
10 <sup>-7</sup>										
10 <sup>-8</sup>										

### Leakage - ambient temperature / inner pressure = 80 bar



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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 3.2

Gasket stress [MPa]	ambient temperature	temperature 1 [150 °C]	temperature 2 [250 °C]		
Stress level 1 [10 MPa]	0,79	0,41	0,28		
Stress level 2 [20 MPa]	0,75	0,37	0,23		
PQR at $Q_{Smax}$	0,91 at 180 MPa	0,41 at 80 MPa	0,20 at 40 MPa		

$Q_{Smax}$ [MPa] ambient temperature	$Q_{Smax}$ [MPa] – temperature 1 [150 °C]	$Q_{Smax}$ [MPa] – temperature 2 [250 °C]		
180	80	40		

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		3,145		3,074		3,143		
1		3,122		3,056		3,120		
5	726	3,088	328	2,960	154	2,826		
10	944	3,042	323	2,454	193	1,885		
15	921	2,956	411	1,923	313	1,453		
20	936	2,819	510	1,603	369	1,244		
25	1065	2,642	704	1,391	434	1,110		
30	1177	2,452	790	1,247	503	1,011		
40	1543	2,175	957	1,066	564	0,889		
50	2104	1,963	1108	0,955				
60	2611	1,779	1232	0,878				
80	3542	1,541	1550	0,776				
100	3380	1,366						
120	3458	1,244						
140	3492	1,154						
160	2928	1,079						
180	3249	1,022						

### Gasket thickness $e_G$

