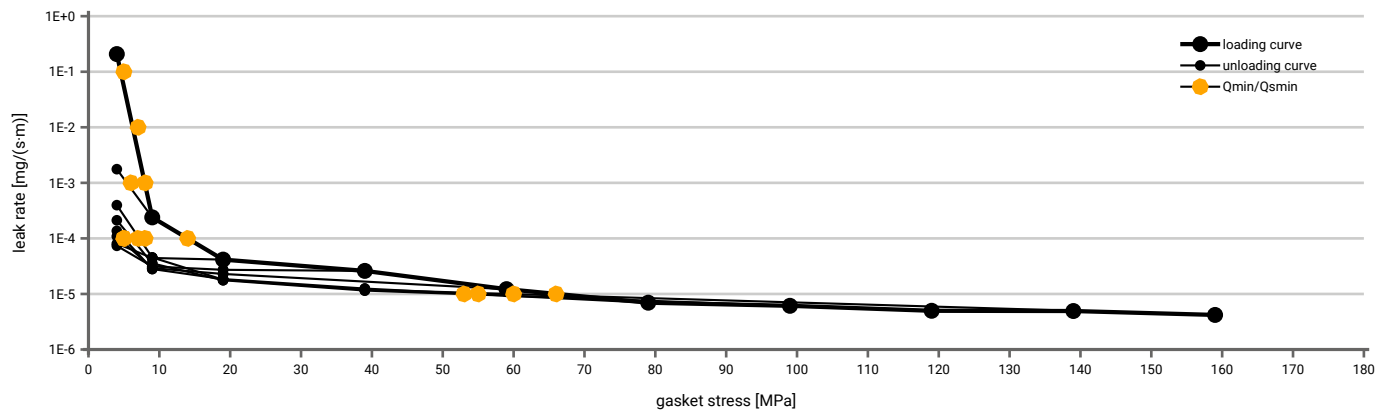
Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to DIN EN 13555 2005-2
Product name	Gylon® Style 3504	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

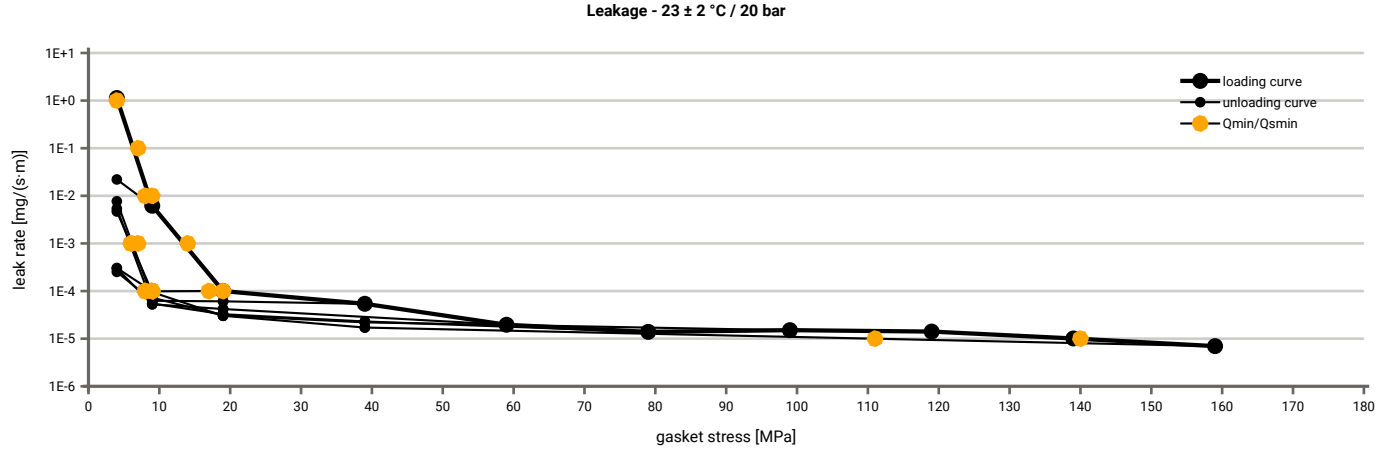
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 10 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]									
		Q_A = 4.8 [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]
1E-0	5		5	5	5	5	5	5			5
1E-1	5		5	5	5	5	5	5			5
1E-2	7		5	5	5	5	5	5			5
1E-3	9		6	5	5	5	5	5			5
1E-4	15			5	5	5	6	7			8
1E-5	67						55	53			60
1E-6											
1E-7											
1E-8											



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 20 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]									
		Q_A = 5 [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]
1E+1	5		5	5	5	5	5	5			5
1E-0	5		5	5	5	5	5	5			5
1E-1	7		5	5	5	5	5	5			5
1E-2	9		8	5	5	5	5	5			5
1E-3	14			5	5	5	7	7			7
1E-4	20			18	8	8	9	9			10
1E-5	140										112
1E-6											
1E-7											
1E-8											

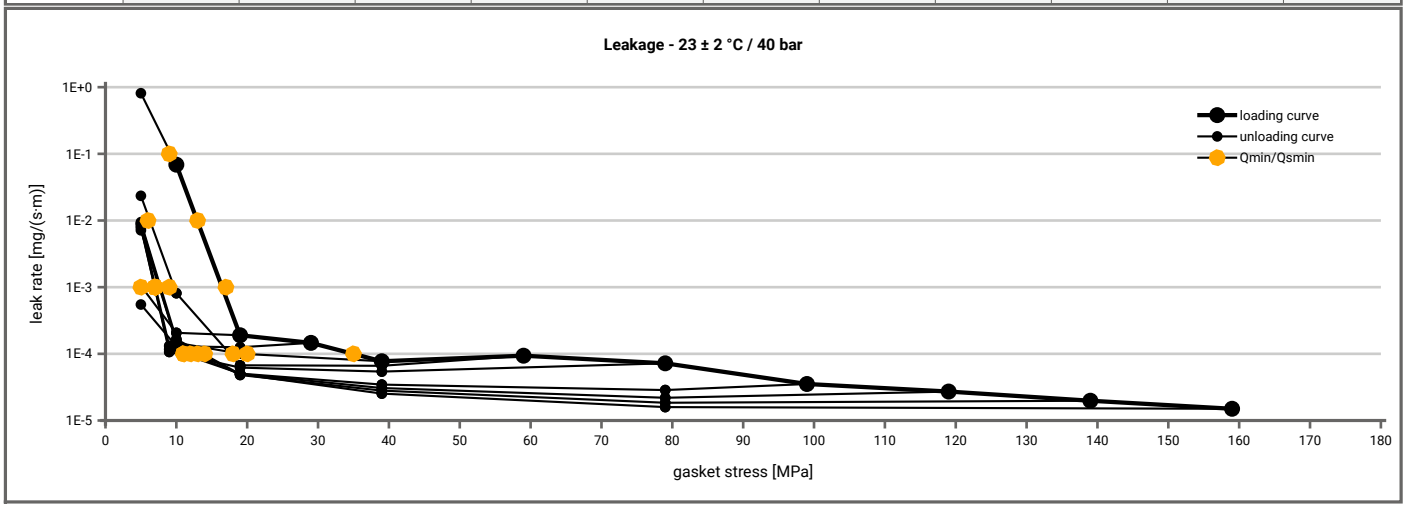


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2012-01-23**

Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to **DIN EN 13555 2005-2**
Product name	Gylon® Style 3504	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [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]
1E-0	10	5	5	5	5	5	5	5	5	5	5
1E-1	10	9	5	5	5	5	5	5	5	5	5
1E-2	13		5	5	5	6	5	5	5	5	5
1E-3	17		5	5	8	10	7	7	8	8	8
1E-4	36				20	18	11	12	13	14	14
1E-5											
1E-6											
1E-7											
1E-8											

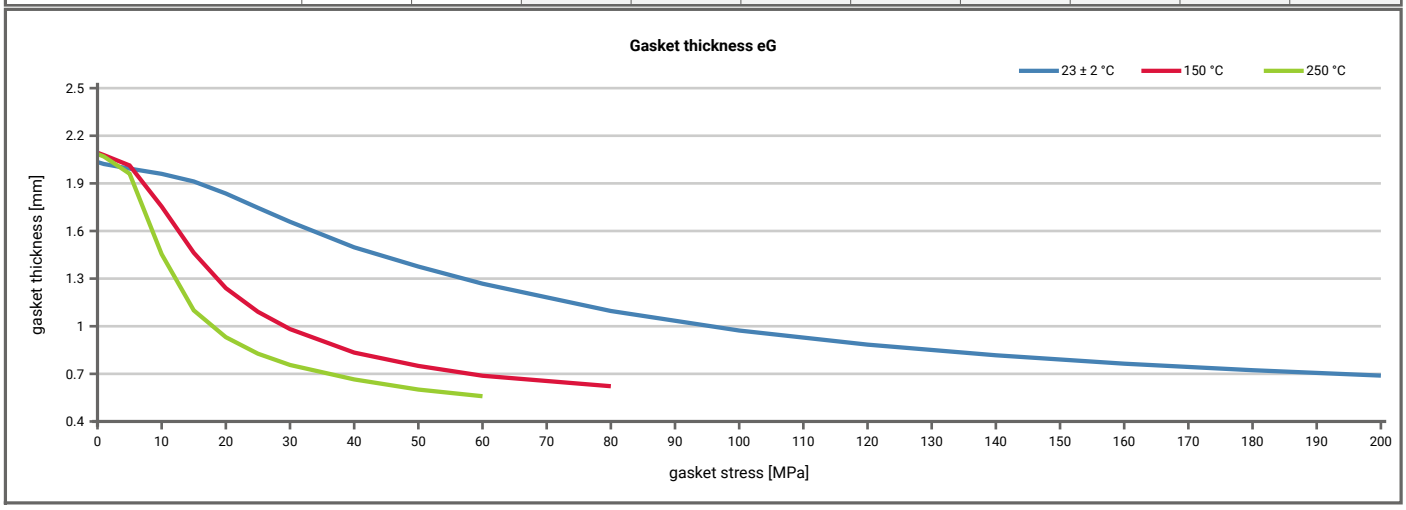


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2012-01-23**

Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to **DIN EN 13555 2005-2**
Product name	Gylon® Style 3504	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Relaxation ratio P_{QR} for stiffness C = 500 [kN/mm]										
Gasket stress	**23 ± 2 °C**		**Temperature 1 [150 °C]**		**Temperature 2 [250 °C]**					
	P_{QR}	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**	**P_{QR}**	**Δe_{Gc} [µm]**
Stress level 1 [10 MPa]	0.80	17	0.46	46	0.31	58				
Stress level 2 [20 MPa]	0.78	38	0.41	99	0.27	123				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.95	92	0.55	302	0.36	325				
Q_{smax}	200 MPa		80 MPa		60 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	**23 ± 2 °C**		**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	0	2.034	0	2.093	0	2.085				
1	0	2.022	0	2.078	0	2.069				
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	1.240	369	0.931				
25	921	1.746	630	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	2587	1.096	1497	0.622						
100	3319	0.973								
120	3451	0.884								
140	3589	0.817								
160	3333	0.764								
180	3245	0.723								
200	3254	0.689								



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2012-01-23**