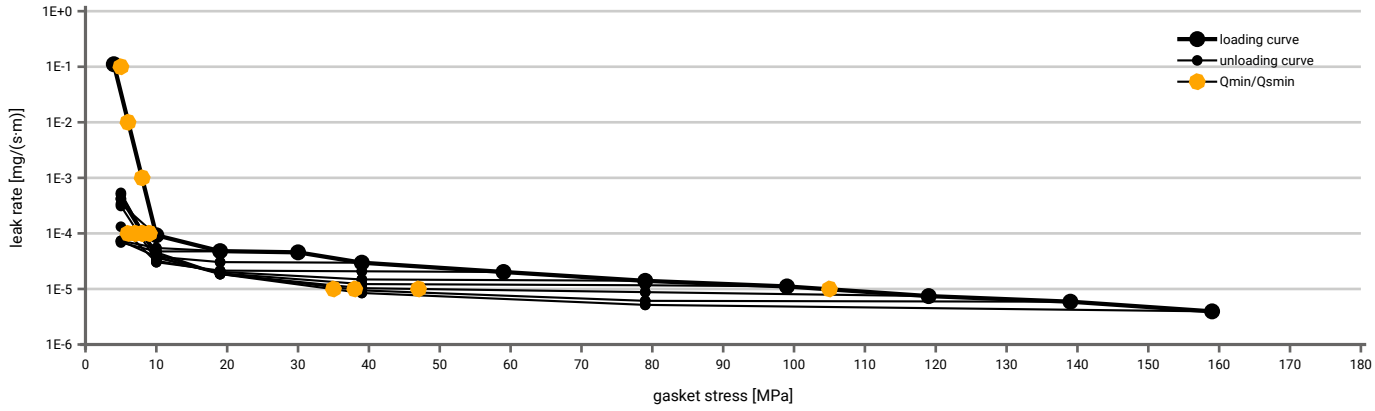
Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to
Product name	Gylon® Style 3504	**EN 13555**
Product dimensions	92 x 49 x 3.2 mm	**2021-4**

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 = 5 [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	5		5	5	5	5	5	5	5	5	5	5
1E-1	5		5	5	5	5	5	5	5	5	5	5
1E-2	7		5	5	5	5	5	5	5	5	5	5
1E-3	8		5	5	5	5	5	5	5	5	5	5
1E-4	10		10	5	5	5	6	8	8	8	8	8
1E-5	105									48	38	36
1E-6												
1E-7												
1E-8												

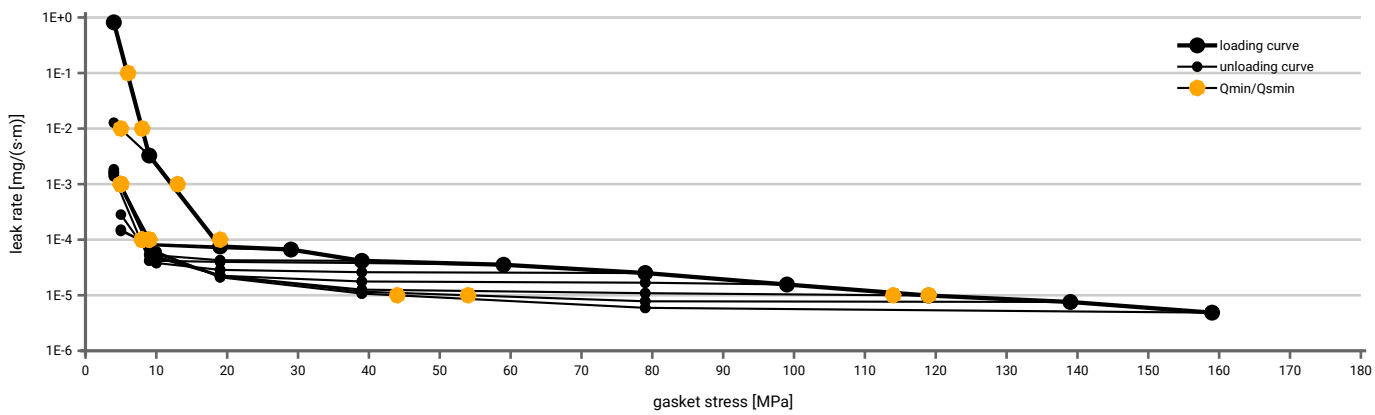
Leakage - 23 ± 2 °C / 10 bar



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 = 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	5		5	5	5	5	5	5	5	5	5	5
1E-1	7		5	5	5	5	5	5	5	5	5	5
1E-2	9		6	5	5	5	5	5	5	5	5	5
1E-3	13			5	5	5	5	6	6	6	6	6
1E-4	19			8	8	8	9	9	9	9	9	9
1E-5	119									115	55	45
1E-6												
1E-7												
1E-8												

Leakage - 23 ± 2 °C / 20 bar

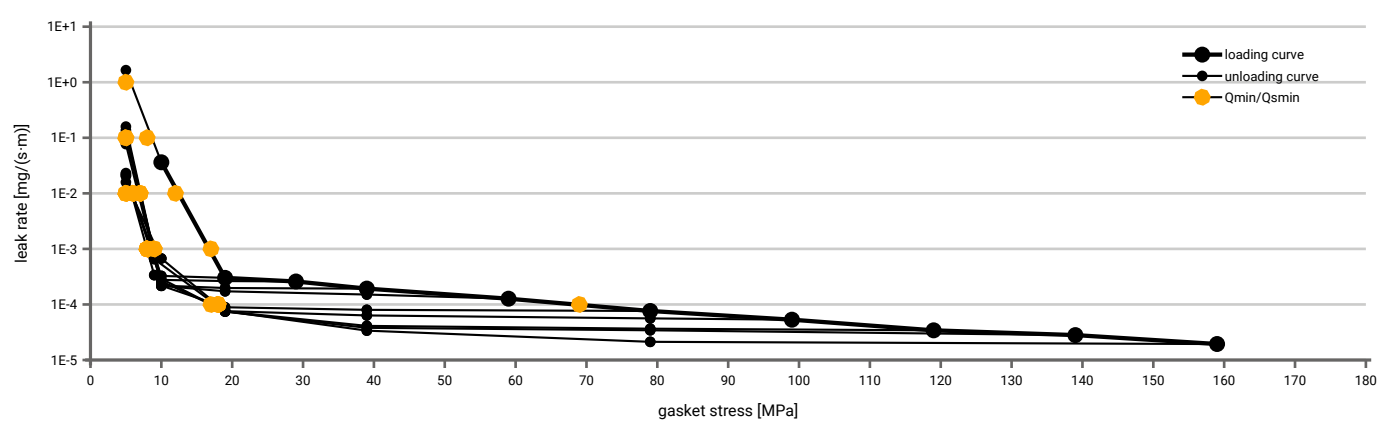


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **4**	Creation date of this sheet: **2021-03-25**

Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to EN 13555 2021-4
Product name	Gylon® Style 3504	
Product dimensions	92 x 49 x 3.2 mm	

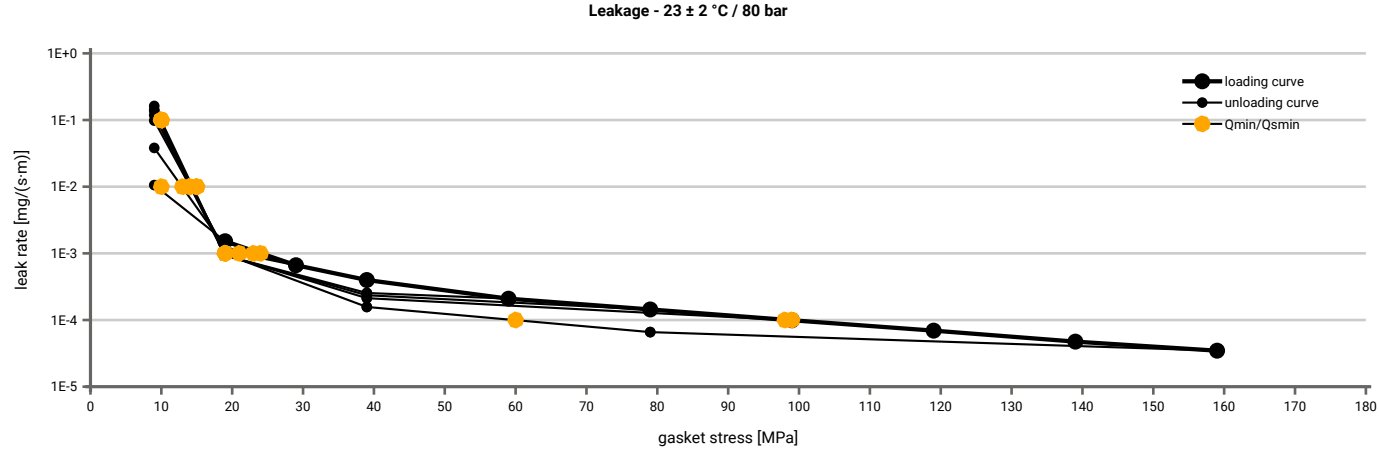
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 2 °C)

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+1	10	5	5	5	5	5	5	5	5	5	5
1E-0	10	6	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		6	7	7	7	7	6	6	6	6
1E-3	17		9	9	9	9	9	8	9	9	9
1E-4	69						19	18	18	19	19
1E-5											
1E-6											
1E-7											
1E-8											



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 80 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [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]
1E-0	20	10	10	10	10	10	10			10
1E-1	20	10	10	10	10	10	11			10
1E-2	20	10	14	15	15	15	15			15
1E-3	25		23	22	20	20	20			20
1E-4	99						99			60
1E-5										
1E-6										
1E-7										
1E-8										

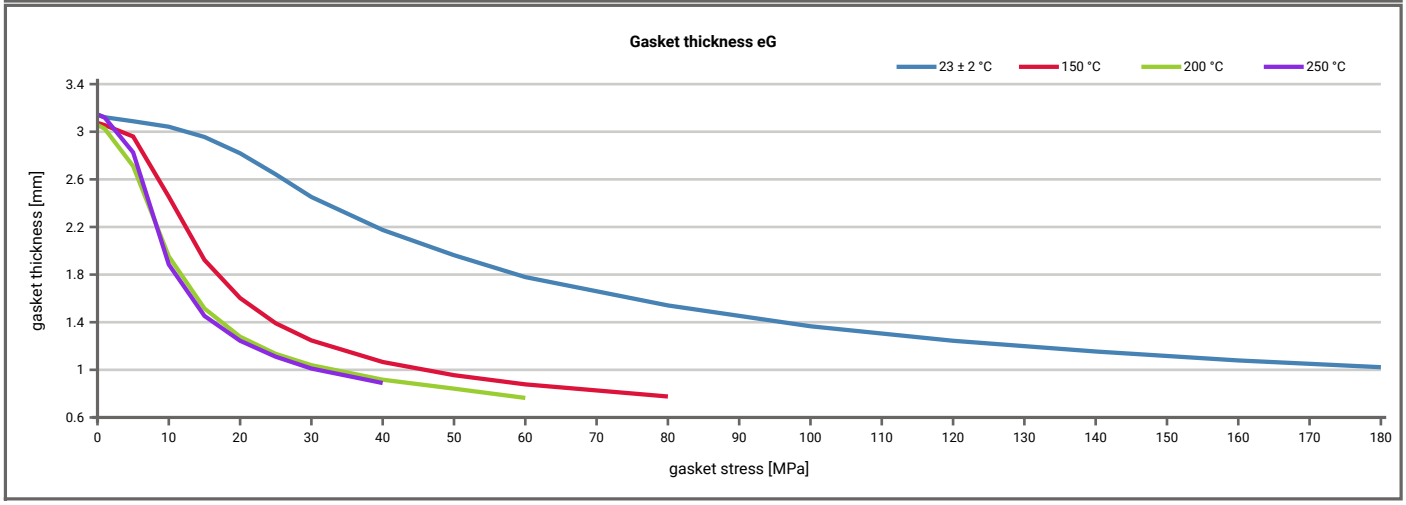


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **4**	Creation date of this sheet: **2021-03-25**

Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to **EN 13555 2021-4**
Product name	Gylon® Style 3504	
Product dimensions	92 x 49 x 3.2 mm	

Relaxation ratio P_{QR} for stiffness C = 500 [kN/mm]										
Gasket stress	**23 ± 2 °C**		**Temperature 1 [150 °C]**		**Temperature 2 [200 °C]**		**Temperature 3 [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]	0.79	18	0.41	50	0.32	57	0.28	61		
Stress level 2 [20 MPa]	0.75	42	0.37	106	0.29	119	0.23	129		
Stress level 3 [25 MPa]					0.28	151				
Stress level 4 [30 MPa]	0.77	58	0.33	169	0.27	184	0.21	199		
Stress level 5 [50 MPa]	0.73	115								
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.91	144	0.41	399	0.40	302	0.20	270		
Q_{smax}	180 MPa		80 MPa		60 MPa		40 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 [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]**	**E_G [MPa]**	**e_G [mm]**
0	0	3.145	0	3.074	0	3.056	0	3.143		
1	0	3.122	0	3.056	0	3.026	0	3.120		
5	726	3.088	329	2.960	200	2.711	155	2.826		
10	945	3.042	323	2.454	254	1.953	193	1.885		
15	921	2.956	411	1.923	357	1.515	313	1.453		
20	937	2.819	510	1.603	479	1.278	370	1.244		
25	1065	2.642	704	1.391	574	1.134	434	1.110		
30	1178	2.452	790	1.247	693	1.039	503	1.011		
40	1543	2.175	957	1.066	959	0.917	564	0.889		
50	2105	1.963	1108	0.955	1246	0.842				
60	2612	1.779	1232	0.878	1722	0.764				
80	3543	1.541	1550	0.776						
100	3380	1.366								
120	3458	1.244								
140	3492	1.154								
160	2928	1.079								
180	3250	1.022								



Fields marked: Intrusion into bore was detected. Determined after the corresponding P_{QR}-Test.

Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **4**	Creation date of this sheet: **2021-03-25**