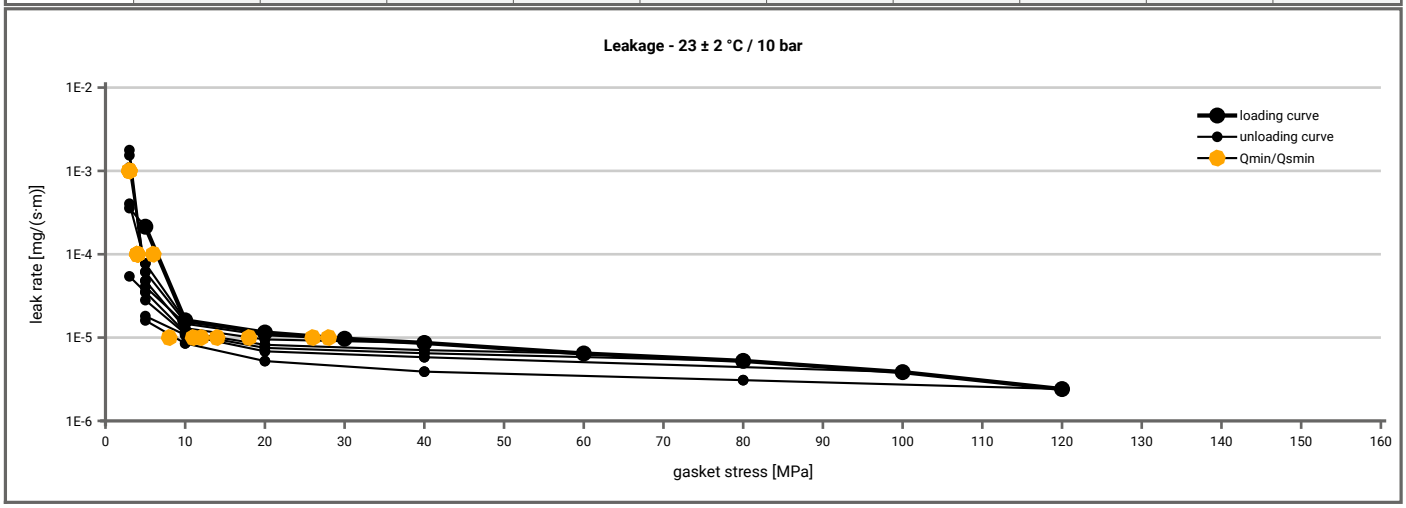
Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to **EN 13555 2021-4**
Product name	Gylon® Style 3522 / 3527	
Product dimensions	92 x 49 x 2 mm	

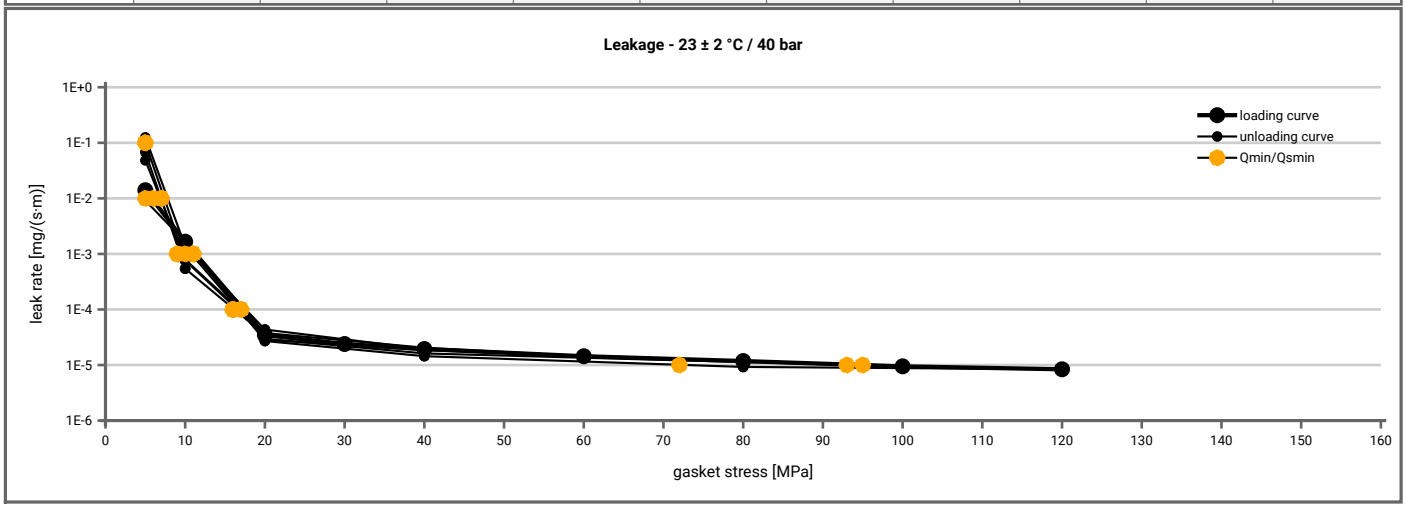
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 10 bar (T = 23 ± 2 °C)

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]
1E-0	5	3	3	3	3	3	3	5	5	5
1E-1	5	3	3	3	3	3	3	5	5	5
1E-2	5	3	3	3	3	3	3	5	5	5
1E-3	5	3	3	3	3	3	3	5	5	5
1E-4	6		5	5	5	5	3	5	5	5
1E-5	28				27	18	14	13	12	9
1E-6										
1E-7										
1E-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 = 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]
1E-0	5		5	5	5	5	5	10	10	10
1E-1	5		5	5	5	5	5	10	10	10
1E-2	6		5	7	7	8	7	10	10	10
1E-3	11			10	9	11	10	11	11	11
1E-4	17			17	16	18	17	17	17	17
1E-5	95								94	73
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: **2021-11-05**

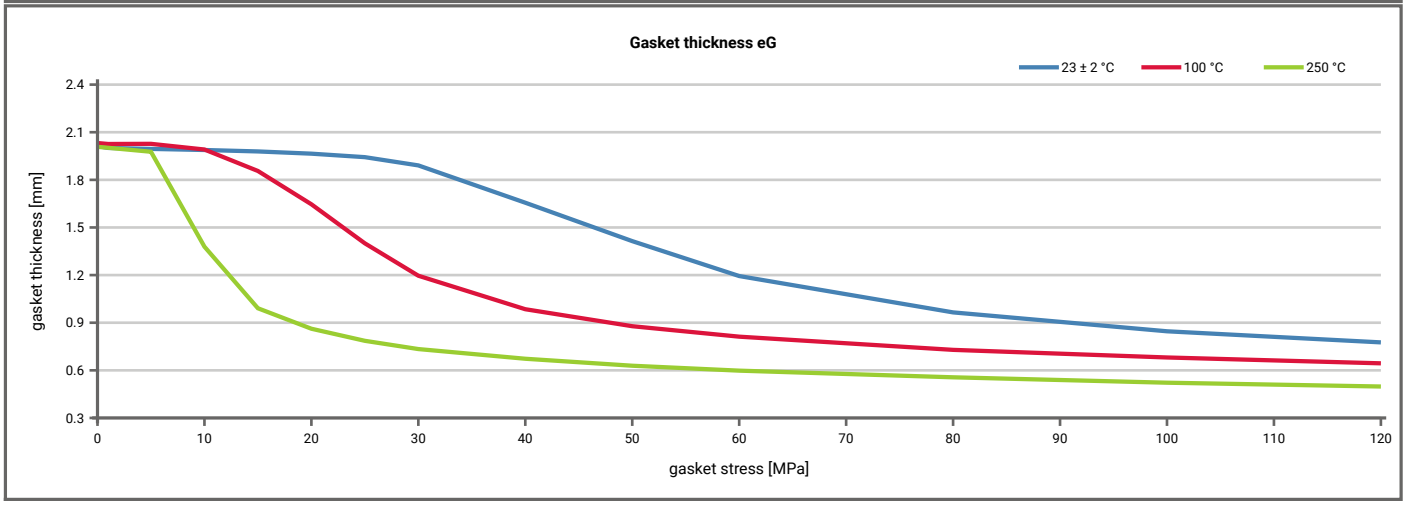
Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to **EN 13555 2021-4**
Product name	Gylon® Style 3522 / 3527	
Product dimensions	92 x 49 x 2 mm	

Relaxation ratio P_{QR} for stiffness C = 500 [kN/mm]

Gasket stress	23 ± 2 °C		Temperature 1 [100 °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]	0.97	3	0.73	23	0.44	47				
Stress level 2 [20 MPa]	0.95	9	0.59	70	0.28	121				
Stress level 3 [30 MPa]	0.88	30	0.51	125	0.23	195				
Stress level 4 [50 MPa]			0.49	216						
Stress level 5 [60 MPa]	0.84	83								
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.96	40	0.84	166	0.73	277				
Q_{smax}	120 MPa		120 MPa		120 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]

Gasket stress [MPa]	23 ± 2 °C		Temperature 1 [100 °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	2.013	0	2.032	0	2.008				
1	0	2.001	0	2.026	0	2.002				
5	5654	1.995	933	2.027	148	1.977				
10	6024	1.988	1209	1.991	199	1.379				
15	6376	1.979	937	1.856	302	0.991				
20	5377	1.965	801	1.646	344	0.862				
25	4405	1.943	1584	1.400	379	0.786				
30	4467	1.891	2935	1.196	469	0.734				
40	4849	1.656	3981	0.985	618	0.673				
50	5098	1.414	4222	0.878	687	0.629				
60	4997	1.194	3353	0.812	882	0.598				
80	5537	0.965	2890	0.729	948	0.556				
100	5260	0.846	3177	0.681	1139	0.522				
120	4227	0.776	2641	0.644	1257	0.498				



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.: **1**	Creation date of this sheet: **2021-11-05**