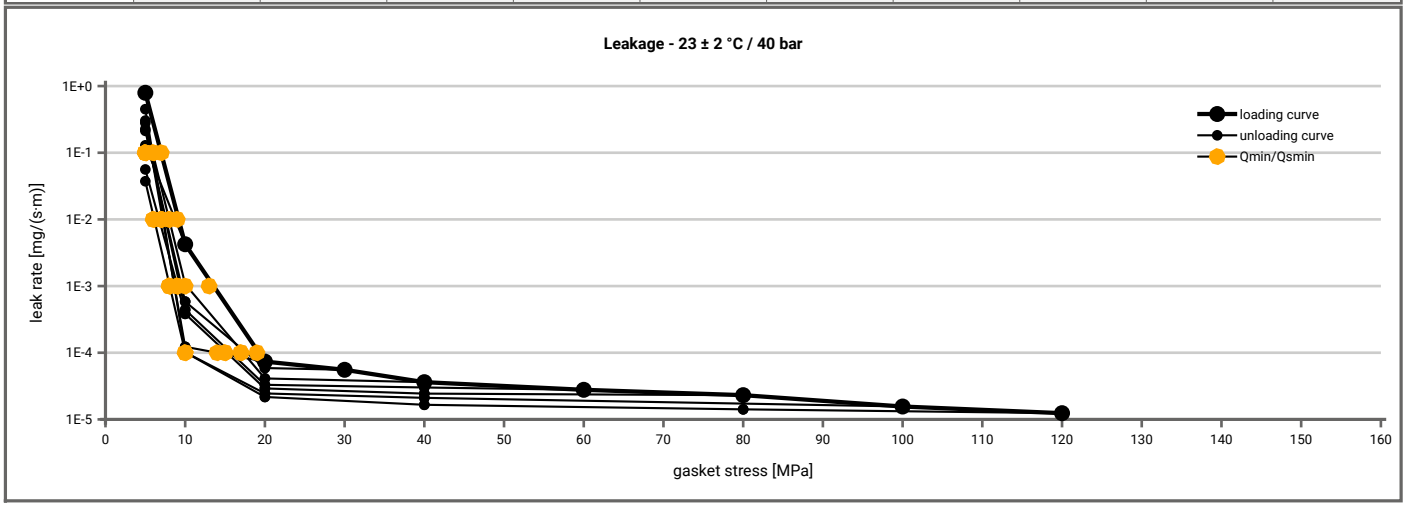
Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to **EN 13555 2021-4**
Product name	Gylon® Style 3522 / 3527	
Product dimensions	92 x 49 x 3.2 mm	

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 = 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	5	5	5
1E-1	7		5	6	6	6	6	5	5	6
1E-2	9		9	7	8	8	8	7	6	7
1E-3	14			9	10	10	9	9	8	9
1E-4	19			14	18	17	16	15	10	10
1E-5										
1E-6										
1E-7										

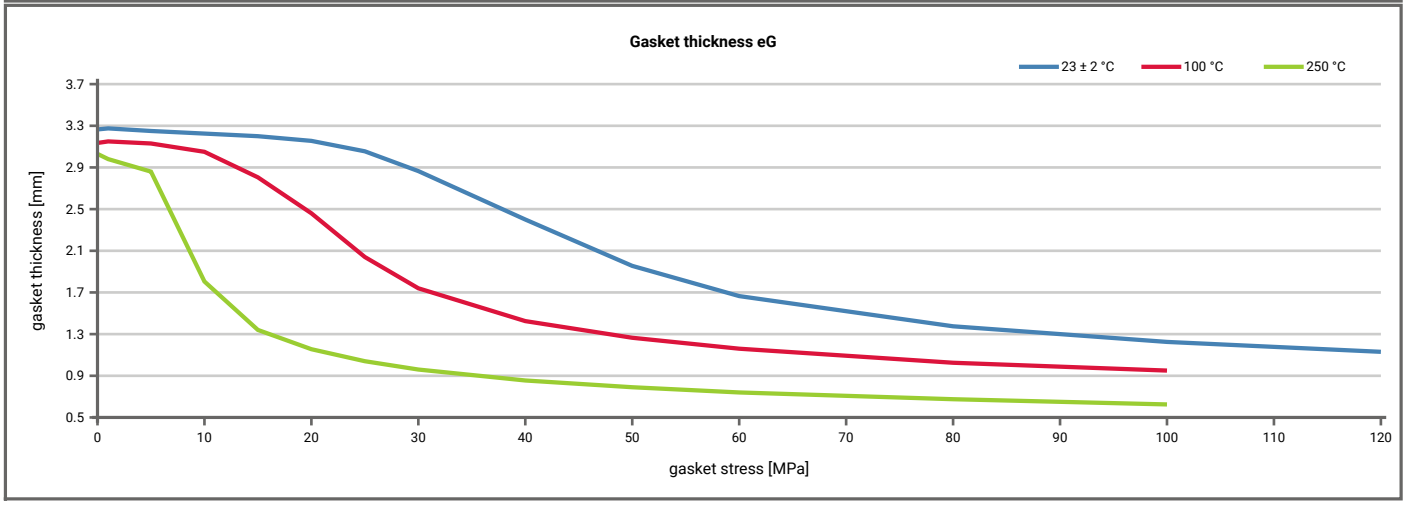


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2022-05-31**

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 3.2 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	0.78	18	0.48	44				
Stress level 2 [20 MPa]					0.25	126				
Stress level 3 [40 MPa]			0.50	170						
Stress level 4 [50 MPa]	0.80	84								
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.93	70	0.76	201	0.61	327				
Q_{smax}	120 MPa		100 MPa		100 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	3.265	0	3.135	0	3.030				
1	0	3.275	0	3.150	0	2.980				
5	993	3.250	527	3.130	100	2.860				
10	1389	3.225	498	3.050	117	1.805				
15	1347	3.200	346	2.805	152	1.340				
20	1345	3.155	338	2.460	177	1.155				
25	1236	3.055	498	2.040	204	1.040				
30	1247	2.865	603	1.740	234	0.960				
40	1510	2.400	810	1.425	311	0.855				
50	1832	1.955	964	1.265	377	0.790				
60	2005	1.665	1079	1.160	439	0.740				
80	2308	1.375	1305	1.025	600	0.675				
100	2385	1.225	1472	0.950	730	0.625				
120	2409	1.130								



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: **2022-05-31**