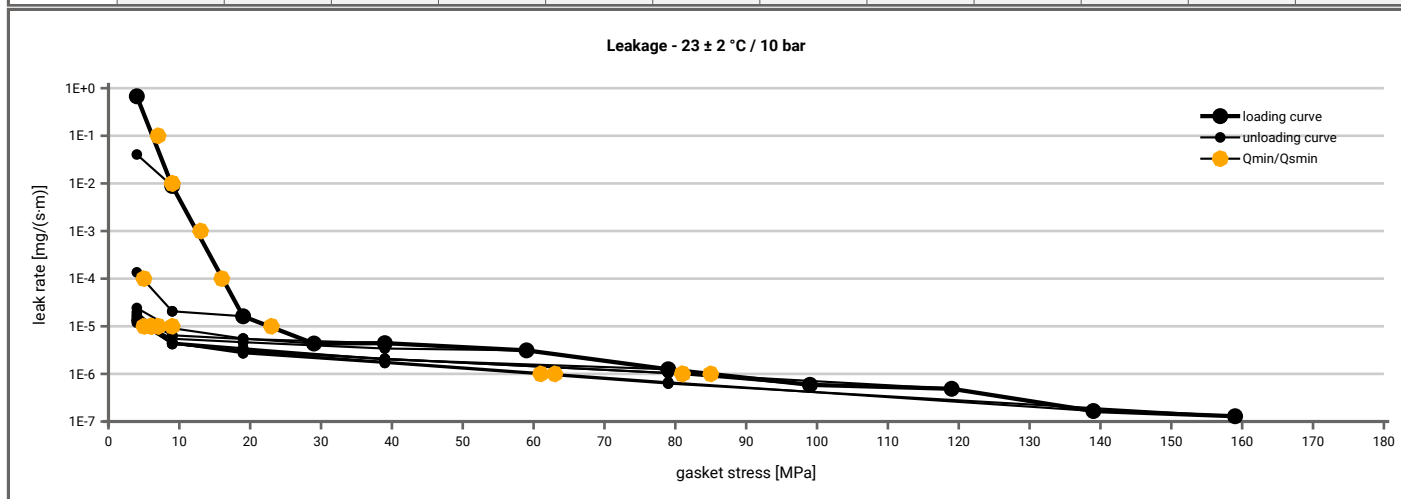
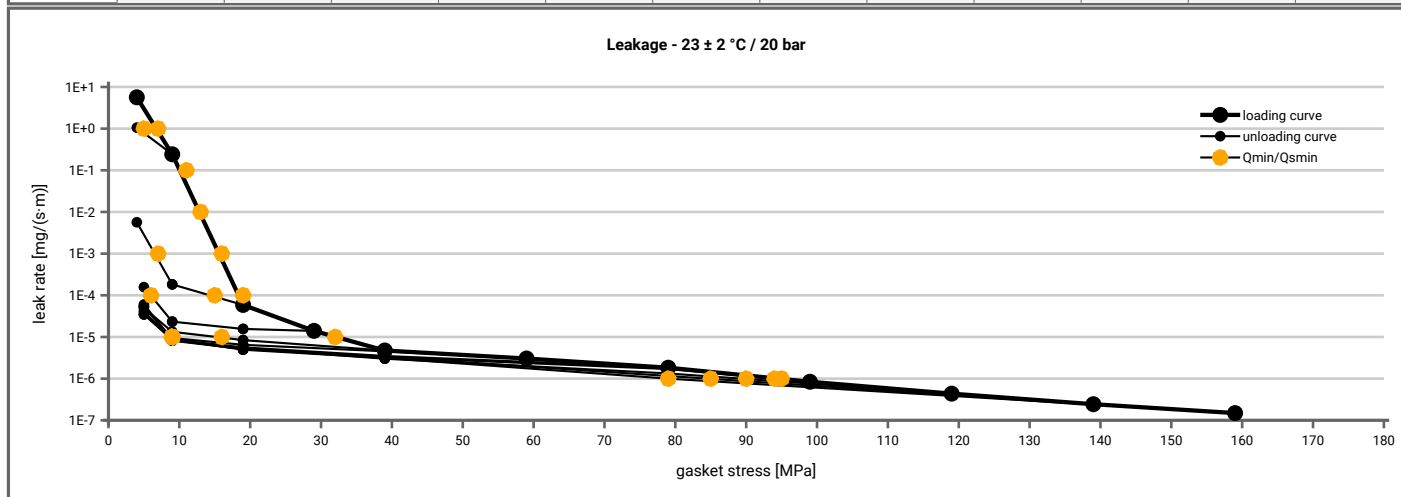


Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to DIN EN 13555 2005-2
Product name	Gylon® Style 3510	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10$ bar ($T = 23 \pm 2$ °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	10		9	5	5	5	5	5	5	5	5	5
1E-3	13			5	5	5	5	5	5	5	5	5
1E-4	17			6	5	5	5	5	5	5	5	5
1E-5	23				9	7	6	6	6	6	7	7
1E-6	86								81	82	63	61
1E-7												
1E-8												



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 20$ bar ($T = 23 \pm 2$ °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+1	5		5	5	5	5	5	5	5	5	5	5
1E-0	8		5	5	5	5	5	5	5	5	5	5
1E-1	11			5	5	5	5	5	5	5	5	5
1E-2	14			5	5	5	5	5	5	5	5	5
1E-3	16			7	5	5	5	5	5	5	5	5
1E-4	19			15	6	5	5	5	5	5	5	5
1E-5	33					16	10	9	9	10	9	10
1E-6	95								95	90	85	80
1E-7												
1E-8												



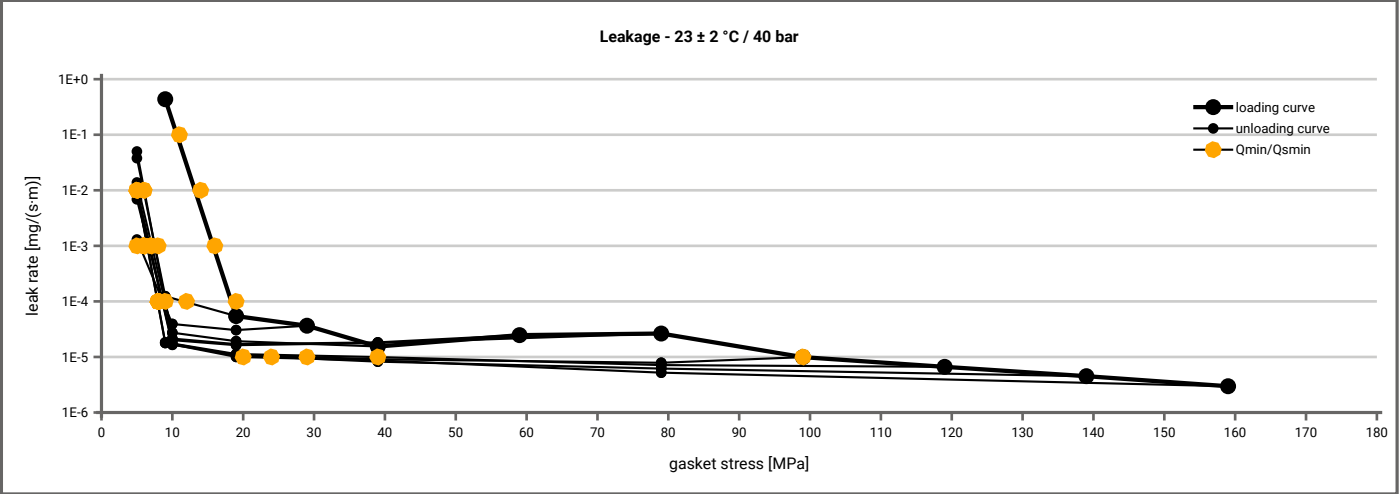
Note: the content of darkened cells was not determined respectively is unnecessary

Rev.-No.: 1

Creation date of this sheet: 2012-07-25

Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to DIN EN 13555 2005-2
Product name	Gylon® Style 3510	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

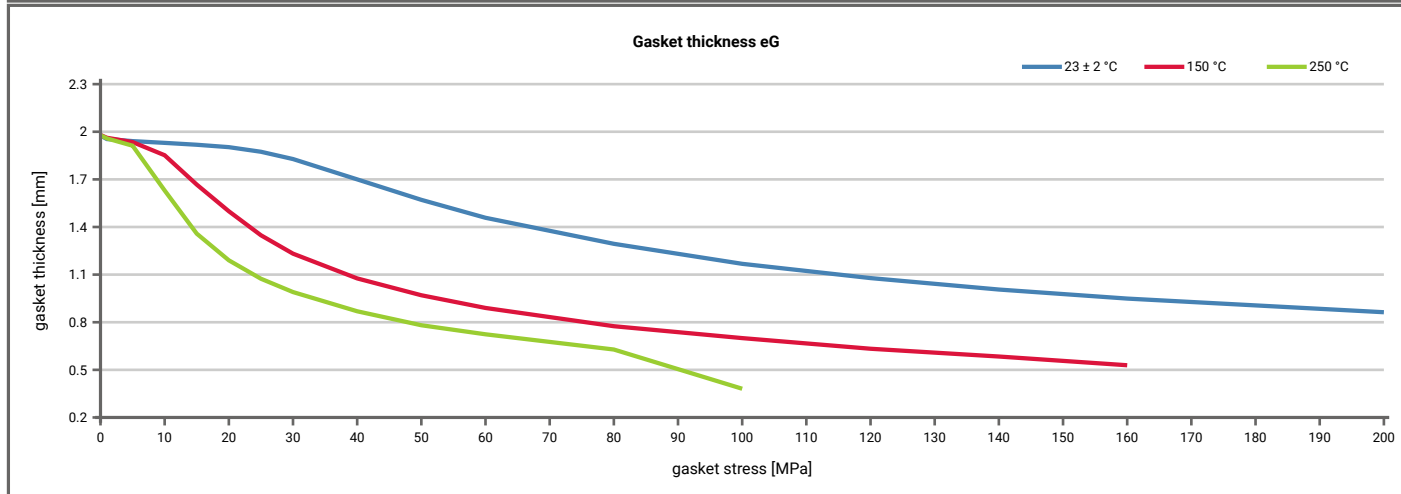
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 2 °C)											
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]									
		$Q_A = 10$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [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
1E-1	11		5	5	5	5	5	5	5	5	5
1E-2	14		6	5	5	6	5	5	5	5	5
1E-3	17		8	5	7	7	7	7	7	7	7
1E-4	19		13	9	9	9	9	9	9	9	9
1E-5	100							30	39	25	20
1E-6											
1E-7											
1E-8											



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Product name	Gylon® Style 3510	
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]	0.89	10	0.87	11	0.58	36				
Stress level 2 [30 MPa]	0.90	26	0.50	126	0.30	176				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.94	109	0.73	363	0.45	466				
Q_{smax}	200 MPa		160 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 [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	1.976	0	1.980	0	1.978				
1	0	1.954	0	1.962	0	1.958				
5	1883	1.941	2431	1.935	745	1.912				
10	1895	1.930	644	1.852	543	1.630				
15	2065	1.918	741	1.667	683	1.358				
20	2509	1.903	1310	1.499	592	1.190				
25	2132	1.874	1052	1.348	740	1.074				
30	2400	1.828	928	1.232	767	0.990				
40	2848	1.700	1097	1.076	1173	0.869				
50	2676	1.571	1482	0.970	1047	0.781				
60	4306	1.458	1555	0.890	1397	0.724				
80	6233	1.294	1801	0.775	2256	0.628				
100	5602	1.168	2901	0.700	1877	0.381				
120	5747	1.078	2202	0.633						
140	4927	1.006	4083	0.584						
160	5562	0.949	4890	0.529						
180	5412	0.906								
200	4751	0.863								



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