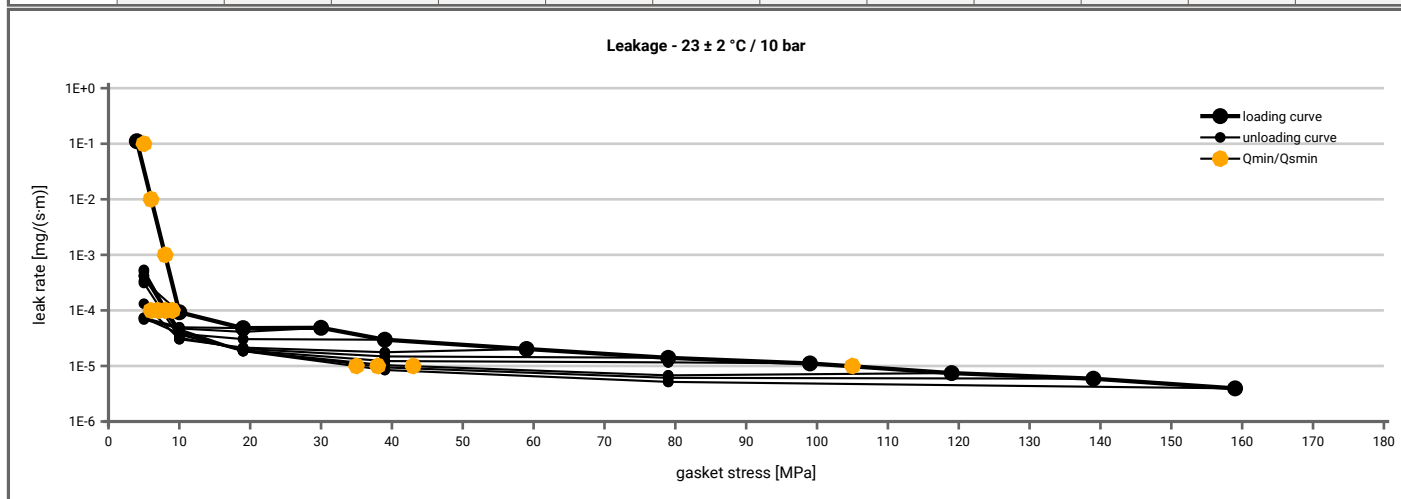
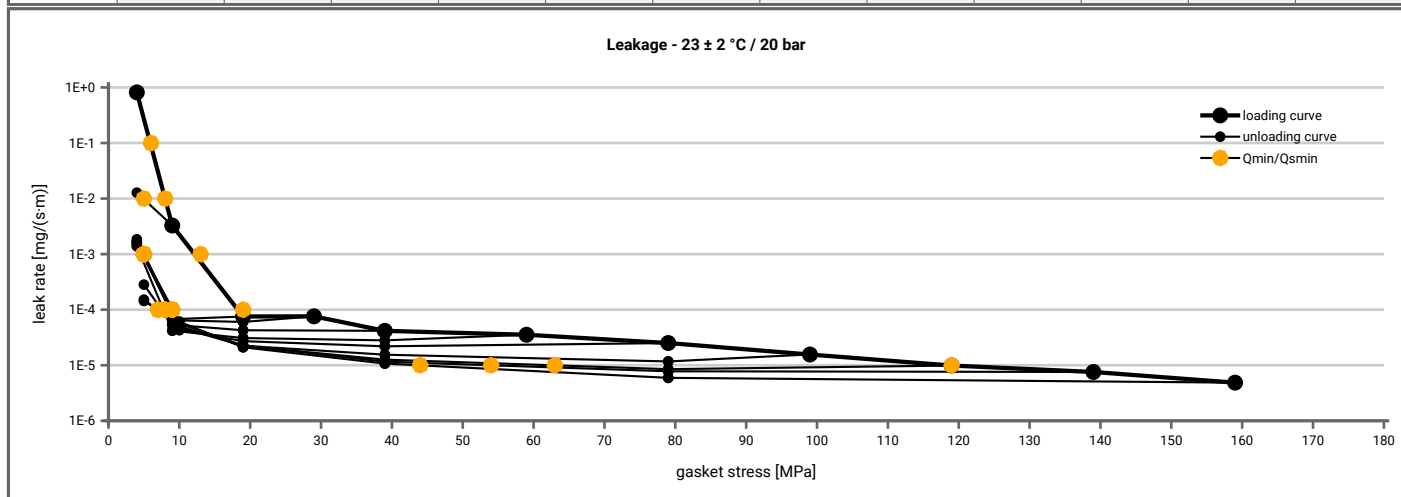


Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to DIN EN 13555 2005-2
Product name	Gylon® Style 3504	
Product dimensions	92 x 49 x 3.2 mm (DIN EN 1514-1 1997-8)	

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	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									43	38	36
1E-6												
1E-7												
1E-8												



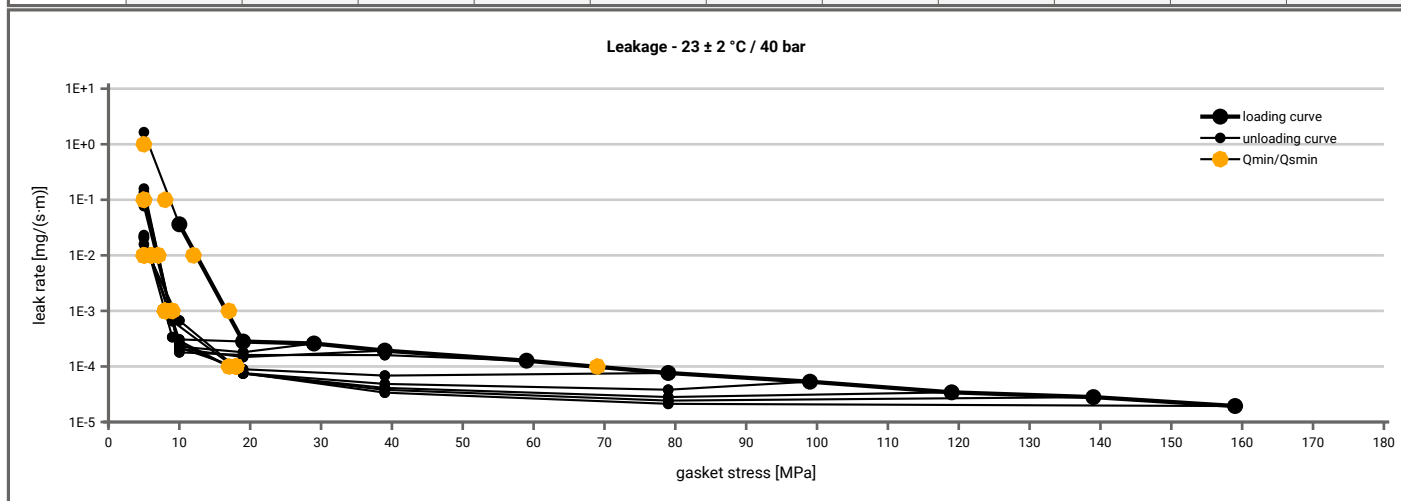
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 20$ bar ($T = 23 \pm 2$ °C)												
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]										
		$Q_A = 5$ [MPa]	$Q_A = 10$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [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	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			7	7	8	9	9	9	9	9	9
1E-5	119									63	55	45
1E-6												
1E-7												
1E-8												



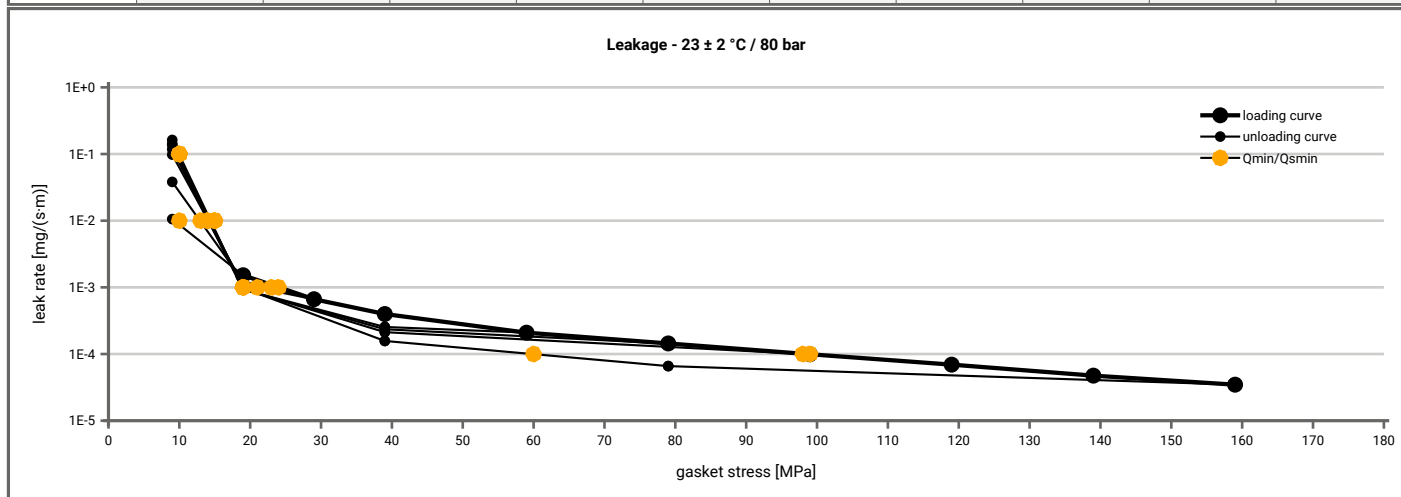
Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 2	Creation date of this sheet: 2013-09-16
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Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to DIN EN 13555 2005-2
Product name	Gylon® Style 3504	
Product dimensions	92 x 49 x 3.2 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 ($T = 23 \pm 2$ °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										

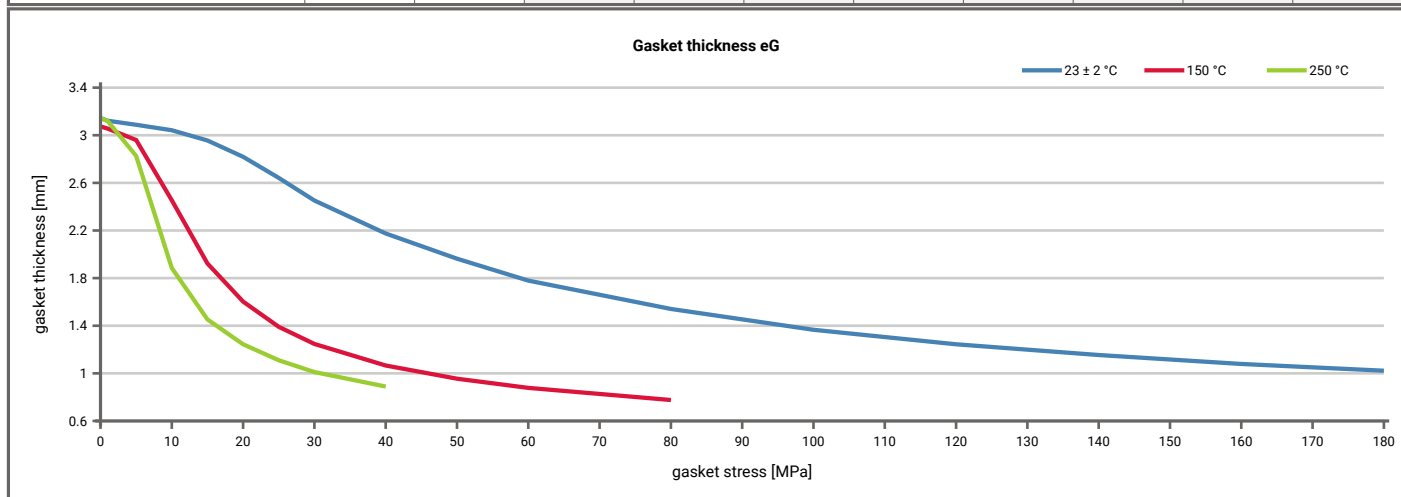


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Manufacturer address	Garlock GmbH, Falkenweg 1, 41468 Neuss, DE	According to DIN EN 13555 2005-2
Product name	Gylon® Style 3504	
Product dimensions	92 x 49 x 3.2 mm (DIN EN 1514-1 1997-8)	

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]	0.79	18	0.41	50	0.28	61				
Stress level 2 [20 MPa]	0.75	42	0.37	106	0.23	129				
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	0.20	270				
Q_{smax}	180 MPa		80 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 [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	3.143				
1	0	3.122	0	3.056	0	3.120				
5	726	3.088	329	2.960	155	2.826				
10	945	3.042	323	2.454	193	1.885				
15	921	2.956	411	1.923	313	1.453				
20	937	2.819	510	1.603	370	1.244				
25	1065	2.642	704	1.391	434	1.110				
30	1178	2.452	790	1.247	503	1.011				
40	1543	2.175	957	1.066	564	0.889				
50	2105	1.963	1108	0.955						
60	2612	1.779	1232	0.878						
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								



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