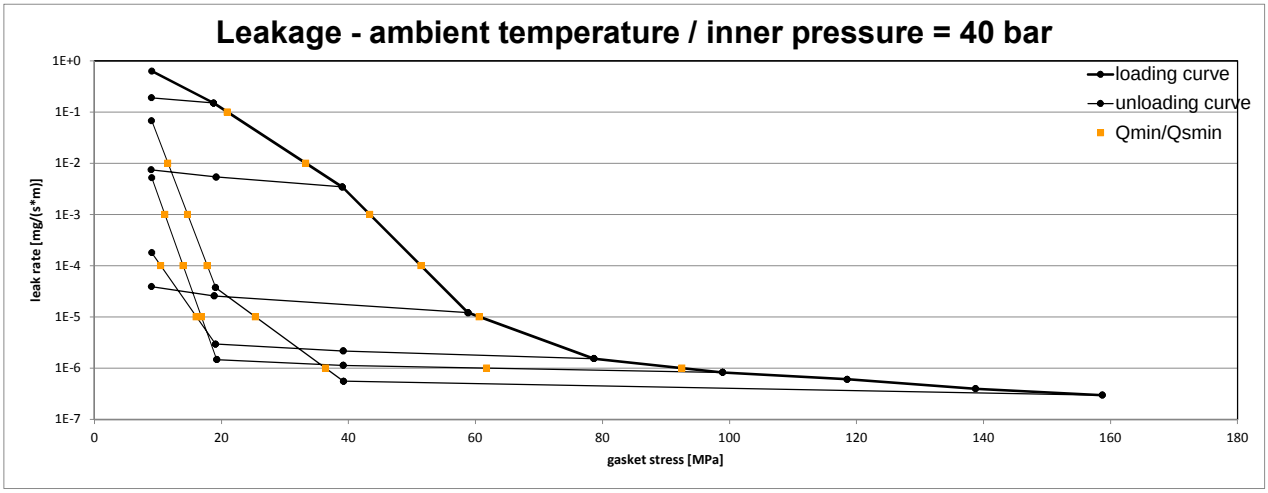
Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany	According to **DIN EN 13555 2005-02**
Gasket Type	*ePTFE Style 3535 Mono-directionally expanded sealant tape (width = 5 mm)*	
Sealing element dimensions [mm]	*75.5 x 65.5 x 2*	

L [mg/(s*m)]	$Q_{min/L}$ [MPa]	Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for p = 40 bar $Q_{Smin/L}$ [MPa]									
		Q_A= 20 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		
10^{-0}	9	9	9	9	9	9			9		
10^{-1}	21		9	9	9	9			9		
10^{-2}	33		9	9	9	9			12		
10^{-3}	43			9	9	11			15		
10^{-4}	51			9	10	14			18		
10^{-5}	61				16	17			25		
10^{-6}	93					62			36		
10^{-7}											
10^{-8}											

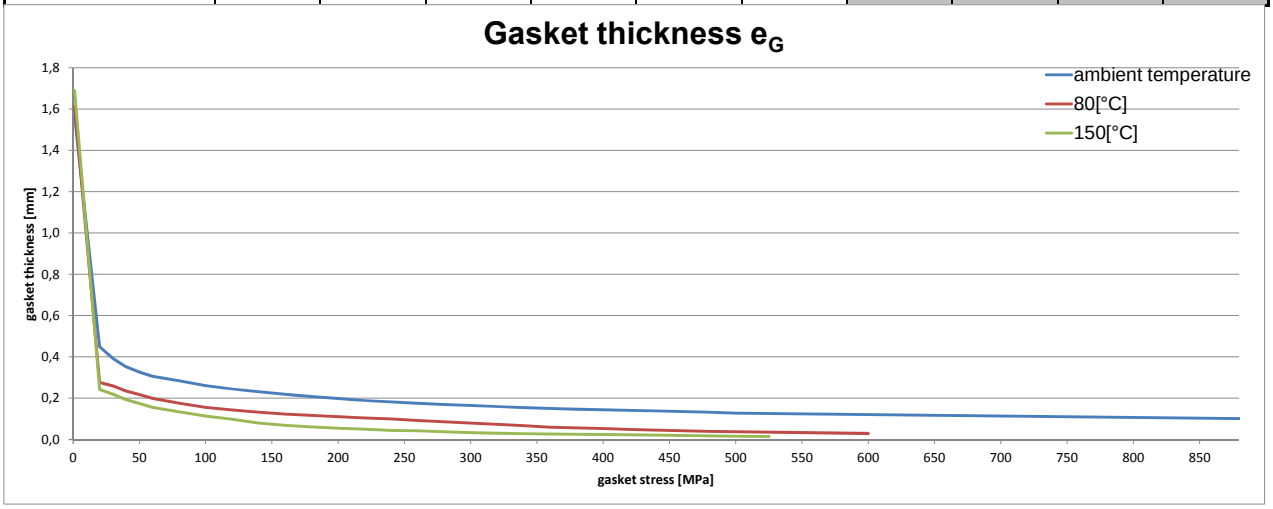


Note: the content of darkened cells was not determined respectively is unnecessary	Rev - No: 1	Creation date of this sheet:	*30.01.2018*

Company Address	Garlock GmbH, Falkenweg 1, 41468 Neuss, Germany	According to **DIN EN 13555 2005-02**
Gasket Type	*ePTFE Style 3535 Mono-directionally expanded sealant tape (width = 5 mm)*	
Sealing element dimensions [mm]	*75.5 x 65.5 x 2*	

Relaxation ratio P_{QR} for stiffness **C** = 500 kN/mm										
Gasket stress	ambient temperature		temperature 1 [80 °C]		temperature 2 [150 °C]					
	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]				
Stress level 1 [30 MPa]	0.66	0.024	0.05	0.063	0.03	0.064				
Stress level 2 [40 MPa]	0.69	0.029	0.12	0.077	0.07	0.082				
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{smax}										
P_{QR} at Q_{Smax}	0.96	0.010	0.90	0.140	0.87	0.144				
Q_{Smax}	880		600		525					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	ambient temperature		temperature 1 [80 °C]		temperature 2 [150 °C]					
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]				
1		1.564		1.614		1.690				
20	567	0.450	1241	0.277	1304	0.243				
30	1030	0.393	1499	0.260	3132	0.219				
40	1555	0.352	2552	0.234	3747	0.193				
50	1661	0.326	3605	0.218	3953	0.174				
60	3184	0.307	1972	0.200	6149	0.156				
80	2782	0.285	4647	0.176	3522	0.133				
100	2505	0.262	2986	0.156	5773	0.114				
120	2740	0.244	2584	0.143	4994	0.098				
140	2905	0.231	4224	0.133	3096	0.080				
160	3547	0.219	2925	0.124	2110	0.069				
180	2870	0.208	2848	0.116	1437	0.062				
200	2521	0.199	3581	0.111	1728	0.055				
220	2328	0.189	3400	0.104	1244	0.050				
240	2854	0.182	2884	0.099	1037	0.045				
260	3094	0.176	1888	0.092	1228	0.042				
280	3244	0.170	1687	0.085	887	0.038				
300	4435	0.165	1509	0.079	792	0.034				
320	4104	0.161	1237	0.072	713	0.031				
340	3374	0.155	1146	0.067	630	0.028				
360	3468	0.150	904	0.060	578	0.027				
380	4282	0.147	934	0.055	561	0.025				
400	4027	0.144	1103	0.053	566	0.024				
420	4150	0.141	1021	0.049	644	0.022				
440	4185	0.138	976	0.045	697	0.021				
460	3454	0.135	904	0.042	654	0.019				
480	3268	0.132	836	0.039	573	0.017				
500	2645	0.127	845	0.037	509	0.016				
880 / 600 / 525	2126	0.102	679	0.029	481	0.015				



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