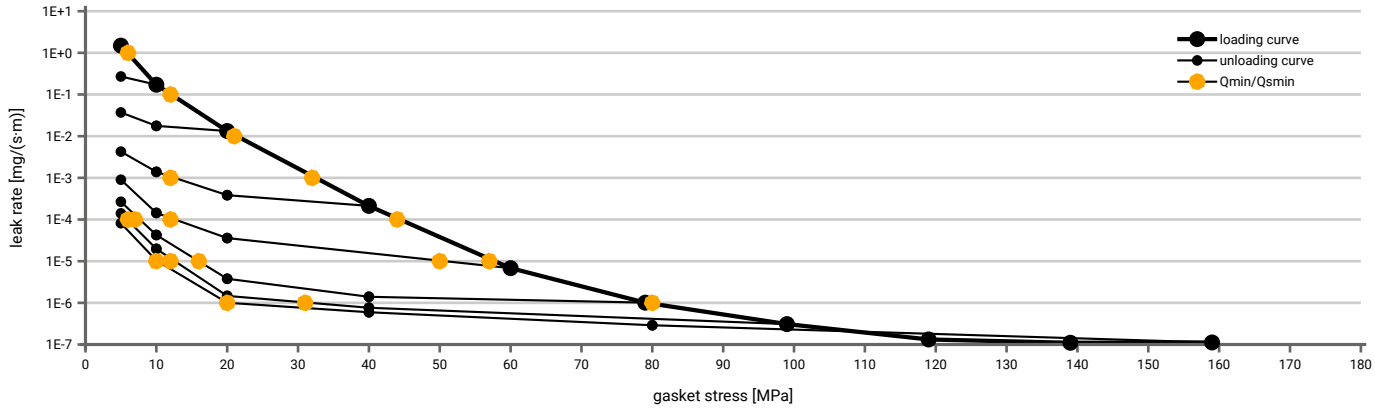
Manufacturer address	Gambit Lubawka Sp. z o.o., ul.Wojska Polskiego 16, 58-420 Lubawka, PL	According to EN 13555 2021-4
Product name	AF-SUPERSOFT	
Product dimensions	92 x 49 x 2 mm	

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 = 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
1E-0	6		5	5	5	5	5	5			5
1E-1	12			5	5	5	5	5			5
1E-2	21				5	5	5	5			5
1E-3	33				13	5	5	5			5
1E-4	44					13	8	6			5
1E-5	58					51	16	13			10
1E-6	80							32			20
1E-7											

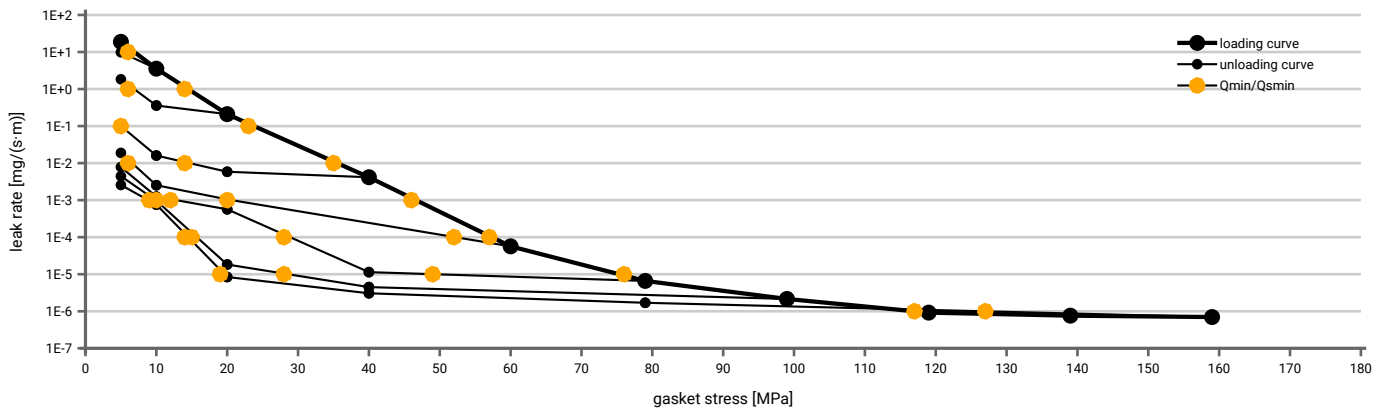
Leakage - 23 ± 2 °C / 10 bar



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 = 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+2	5		5	5	5	5	5	5			5
1E+1	7		5	5	5	5	5	5			5
1E-0	15			7	5	5	5	5			5
1E-1	24				5	5	5	5			5
1E-2	36				15	7	5	5			5
1E-3	47					21	13	10			9
1E-4	57					52	29	16			15
1E-5	76						49	29			20
1E-6	118										127
1E-7											

Leakage - 23 ± 2 °C / 40 bar

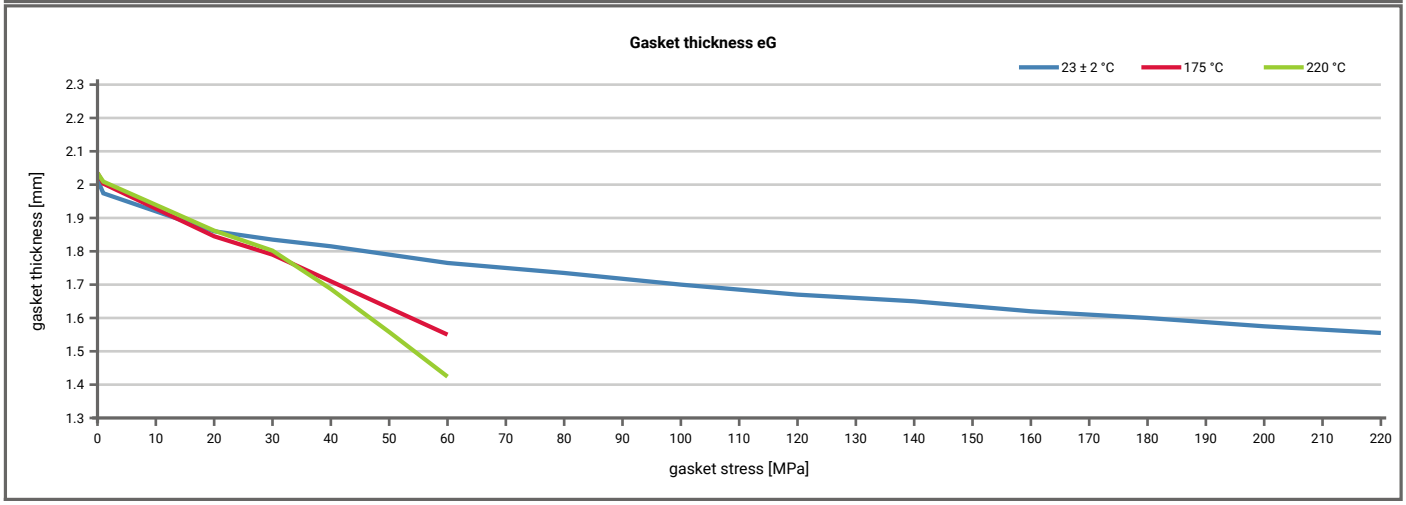


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2024-10-04**

Manufacturer address	Gambit Lubawka Sp. z o.o., ul.Wojska Polskiego 16, 58-420 Lubawka, PL	According to **EN 13555 2021-4**
Product name	AF-SUPERSOFT	
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 [175 °C]**		**Temperature 2 [220 °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 [30 MPa]	0.95	13	0.72	72	0.64	92				
Stress level 2 [50 MPa]	0.95	21	0.64	151	0.55	189				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.98	46	0.63	189	0.51	247				
Q_{smax}	220 MPa		60 MPa		60 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	**23 ± 2 °C**		**Temperature 1 [175 °C]**		**Temperature 2 [220 °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	2.015	0	2.035	0	2.035				
1	0	1.974	0	2.003	0	2.009				
20	1349	1.860	1862	1.845	2139	1.862				
30	2152	1.835	2116	1.790	2185	1.802				
40	2902	1.815	2331	1.710	2310	1.687				
50	3419	1.790	2570	1.630	2532	1.558				
60	3804	1.765	2779	1.550	2714	1.424				
80	4479	1.735								
100	4957	1.700								
120	5401	1.670								
140	5746	1.650								
160	6050	1.620								
180	6266	1.600								
200	6466	1.575								
220	6680	1.555								



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2024-10-04**