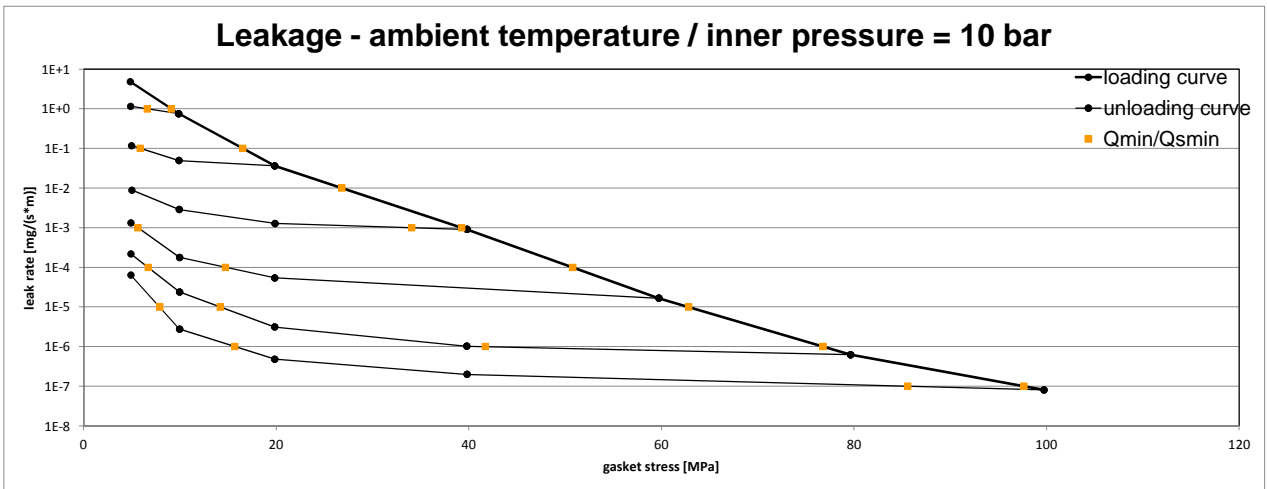
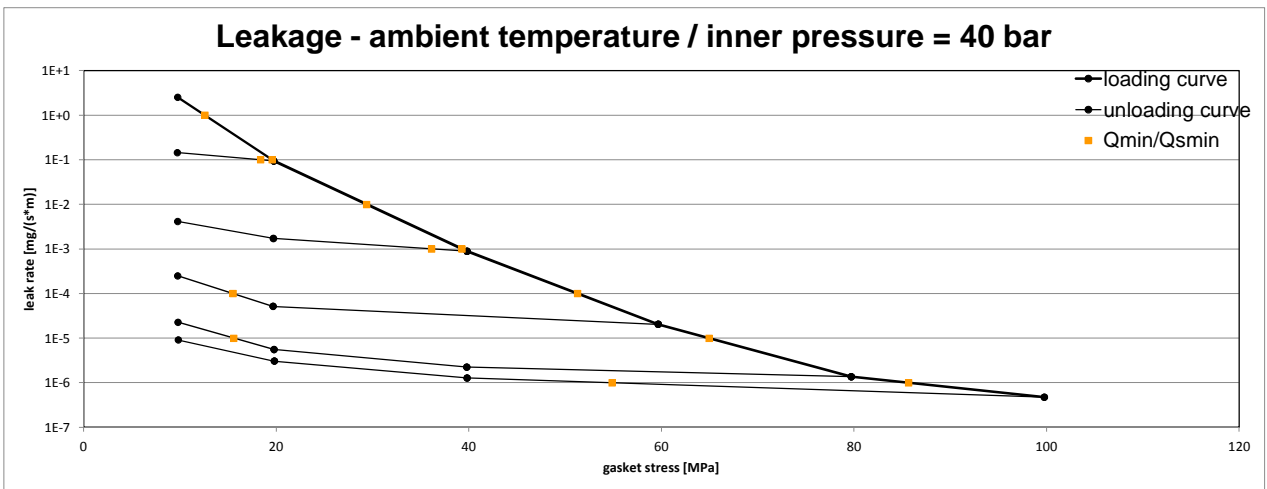


Company Address	KLINGER® GmbH & Co. KG, Richard-Klinger-Straße 37, 65510 Idstein, Germany
Gasket Type	KLINGERSIL® C 8200
Sealing element dimensions [mm]	92 x 49 x 2

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 = 10 bar						Q _{Smin/L} [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						
		10 ⁰	9	7	5	5	5	5	5				
10 ⁻¹	17		6	5	5	5	5						
10 ⁻²	27			5	5	5	5						
10 ⁻³	39			34	6	5	5						
10 ⁻⁴	51				15	7	5						
10 ⁻⁵	63					14	8						
10 ⁻⁶	77					42	16						
10 ⁻⁷	98						86						
10 ⁻⁸													



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						
		10 ⁰	13	10	10	10	10	10				
10 ⁻¹	20	18	10	10	10	10						
10 ⁻²	29		10	10	10	10						
10 ⁻³	39		36	10	10	10						
10 ⁻⁴	51			16	10	10						
10 ⁻⁵	65				16	10						
10 ⁻⁶	86					55						
10 ⁻⁷												
10 ⁻⁸												



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 03.07.2012



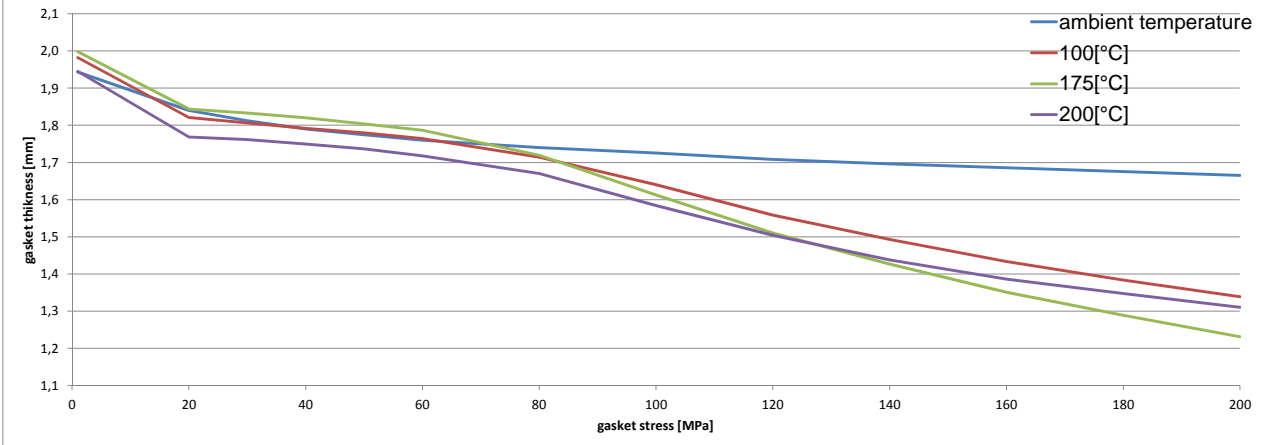
Company Address	KLINGER® GmbH & Co. KG, Richard-Klinger-Straße 37, 65510 Idstein, Germany
Gasket Type	KLINGERSIL® C 8200
Sealing element dimensions [mm]	92 x 49 x 2

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm					
Gasket stress [MPa]	ambient temperature	temperature 1 [100 °C]	temperature 2 [175 °C]	temperature 3 [200 °C]	
Stress level 1 [25 MPa]	0,90	0,70	0,73	0,75	
Stress level 2 [40 MPa]	0,94	0,84	0,80	0,78	
PQR at Q_{Smax}	0,98 at 200 MPa	0,69 at 200 MPa	0,61 at 200 MPa	0,56 at 200 MPa	

Maximal applicable gasket stress Q_{Smax}				
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [100 °C]	Q_{Smax} [MPa] – temperature 2 [175 °C]	Q_{Smax} [MPa] – temperature 3 [200 °C]	
200	200	200	200	

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]									
Gasket stress [MPa]	ambient temperature		temperature 1 [100 °C]		temperature 2 [175 °C]		temperature 3 [200 °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]	
0									
1		1,944		1,983		1,998		1,946	
20	1922	1,840	2704	1,821	3888	1,843	2170	1,768	
30	2654	1,812	4009	1,807	3039	1,833	3287	1,762	
40	3741	1,790	5456	1,792	3136	1,820	3620	1,750	
50	6099	1,774	10265	1,779	3719	1,804	6110	1,736	
60	7702	1,760	7629	1,764	6442	1,787	5036	1,718	
80	11781	1,740	11675	1,715	9134	1,720	5802	1,670	
100	24228	1,725	8545	1,640	7949	1,613	5415	1,584	
120	10414	1,708	8046	1,558	8182	1,510	6116	1,504	
140	13794	1,697	11787	1,493	9692	1,426	5539	1,438	
160	20271	1,686	11679	1,434	6878	1,351	6050	1,386	
180	16058	1,675	10027	1,384	8049	1,289	8181	1,348	
200	13984	1,665	10892	1,339	8464	1,231	5584	1,310	

Gasket thickness e_G



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