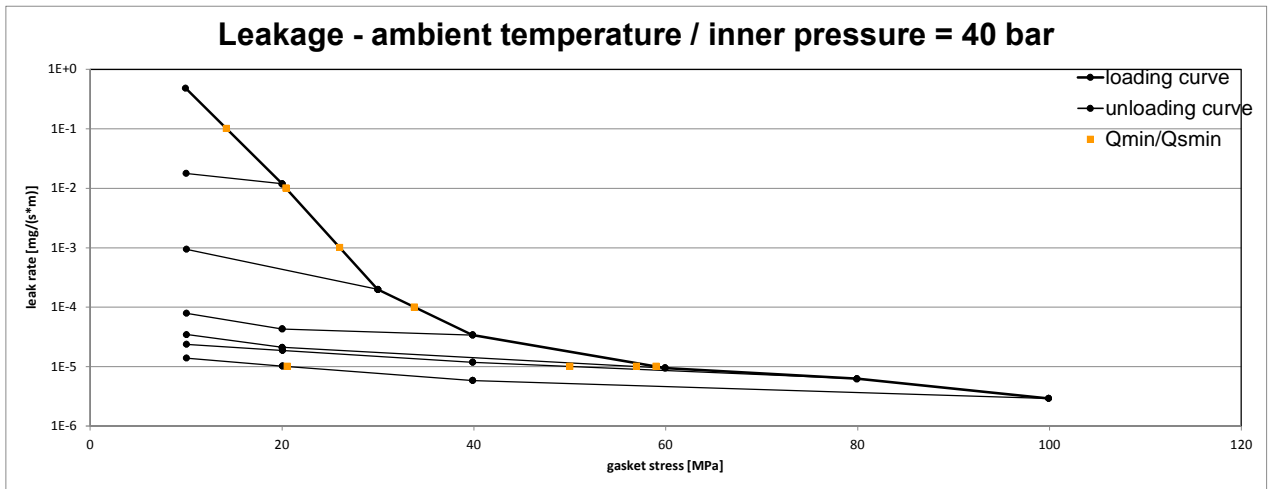


Company Address	Groupe Eynard Robin, ZAC des Clochettes - 1, Allée de la Grange, 69191 ST-FONS Cedex, France	According to DIN EN 13555 2014-07
Gasket Type	KLINGER® top-chem3210	
Sealing element dimensions [mm]	92 x 49 x 2	

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 = 40 bar							
		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		
10 ⁰	10	10	10	10	10	10	10		
10 ⁻¹	14	10	10	10	10	10	10		
10 ⁻²	20		10	10	10	10	10		
10 ⁻³	26		10	10	10	10	10		
10 ⁻⁴	34			10	10	10	10		
10 ⁻⁵	59				57	50	21		
10 ⁻⁶									
10 ⁻⁷									
10 ⁻⁸									



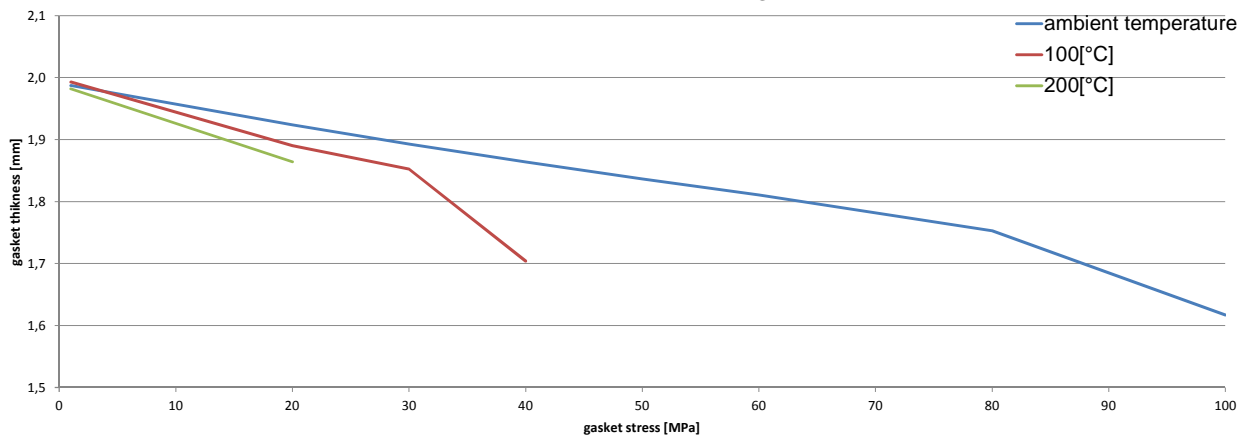
Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 1 Creation date of this sheet: 2015-04-28

Company Address	Grube Eynard Robin, ZAC des Clochettes - 1, Allée de la Grange, 69191 ST-FONS Cedex, France	According to DIN EN 13555 2014-07
Gasket Type	KLINGER® top-chem3210	
Sealing element dimensions [mm]	92 x 49 x 2	

Relaxation ratio P _{QR} for stiffness C = 500 kN/mm										
Gasket stress	ambient temperature		temperature 1 [100 °C]		temperature 2 [200 °C]					
	P _{QR}	Δe _{Gc} [mm]	P _{QR}	Δe _{Gc} [mm]	P _{QR}	Δe _{Gc} [mm]	P _{QR}	Δe _{Gc} [mm]	P _{QR}	Δe _{Gc} [mm]
Stress level 1 [10 MPa]	0.97	0.003	0.89	0.009	0.92	0.007				
Stress level 2 [20 MPa]	0.95	0.008	0.87	0.023	0.84	0.027				
P _{QR} and Δe _{Gc} at maximal applicable gasket stress Q _{Smax}										
P _{QR} at Q _{Smax}	0.80	0.168	0.84	0.055	0.85	0.026				
Q _{Smax}	100 MPa		40 MPa		20 MPa					

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 [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]	E _G [MPa]	e _G [mm]
0		2.000		2.000		2.000				
1		1.987		1.993		1.982				
20	3064	1.924	3371	1.890	2464	1.864				
30	3474	1.893	3739	1.853						
40	4182	1.864	4017	1.704						
50	4803	1.837								
60	5410	1.811								
80	6504	1.753								
100	35875	1.617								

Gasket thickness e_G



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