Company Address	*Reinz-Dichtungs-GmbH, Reinzstraße 3-7, D-89233 Neu-Ulm*
Gasket Type	*AFM 34*
Thickness e_{GO} [mm]	*2*

Minimum stress to seal $\mathbf{Q_{min/L}}$ (at assembly), $\mathbf{Q_{Smin/L}}$ (after off-loading) for p = 40 bar									
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [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}	<10	<10	<10	<10	<10	<10			
10^{-1}	15	<10	<10	<10	<10	<10			
10^{-2}	28		<10	<10	<10	<10			
10^{-3}	45			15	10	<10			
10^{-4}	65				23	14			
10^{-5}	89					42			
10^{-6}	140								
10^{-7}									
10^{-8}									

Relaxation ratio $\mathbf{P_{QR}}$ for stiffness **C** = 500 kN/mm			
Gasket stress [MPa]	ambient temperature	temperature 1 [100 °C]	temperature 2 [200 °C]
Stress level 1 [30 MPa]	0,96	0,85	0,80
Stress level 2 [100 MPa]	0,98	0,86	0,82
Q_{Smax} [230/230/100 MPa]	0,99	0,86	0,82

Maximal applicable gasket stress $\mathbf{Q_{smax}}$				
Q_{Smax} [MPa] – ambient temperature	Q_{Smax} [MPa] – temperature 1 [100 °C]	Q_{Smax} [MPa] – temperature 2 [150 °C]	Q_{Smax} [MPa] – temperature 2 [200 °C]	Q_{Smax} [MPa] – temperature 2 [250 °C]
>230*	>230*	>230*	100	60
* Maximalwert der Prüfapparatur				

Sekant unloading modulus of the gasket $\mathbf{E_G}$ [MPa]			
Gasket stress [MPa]	ambient temperature	temperature 1 [100 °C]	temperature 2 [200 °C]
20	1392	1466	1793
30	1733	1917	2301
50	2362	3132	2579
100	3916	3639	3271
230	4360	4033	

Note: the content of darkened cells was not determined respectively is unnecessary

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