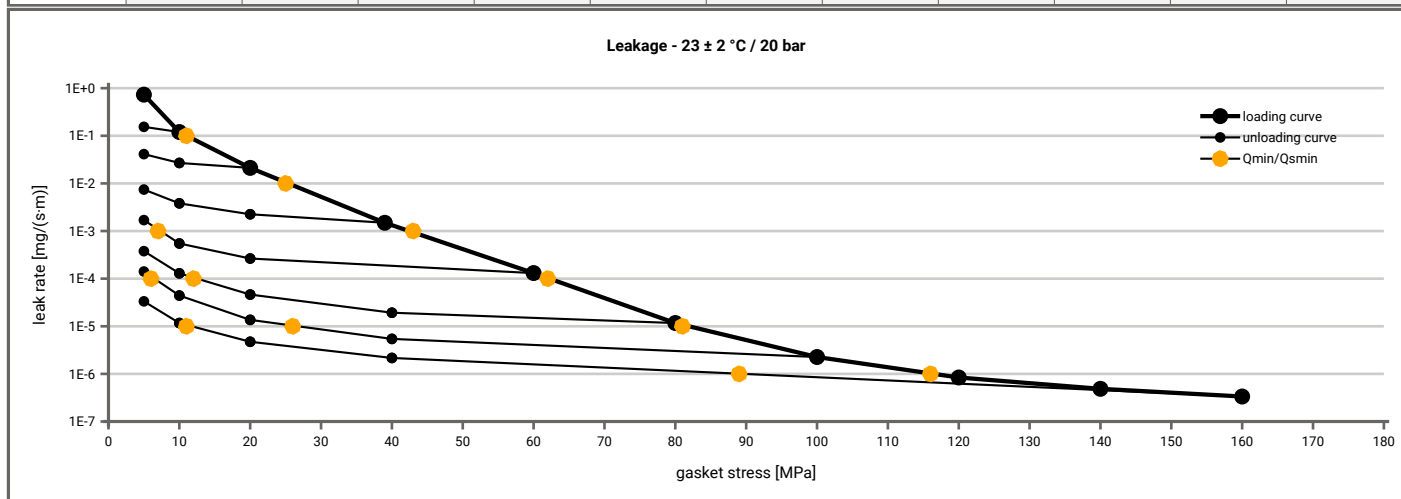
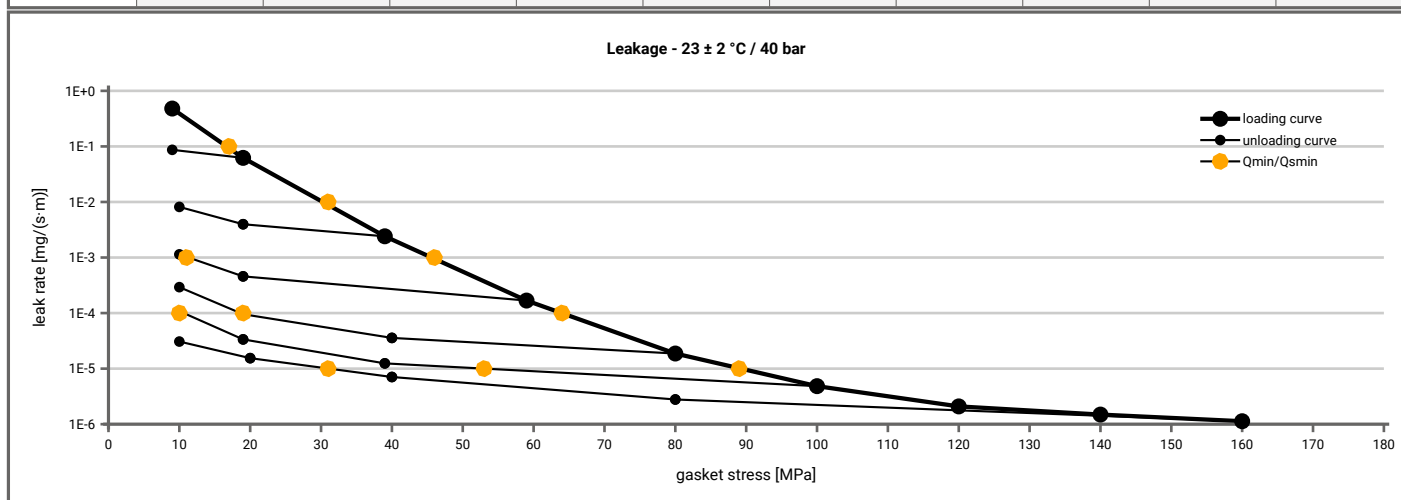


Manufacturer address	DONIT TESNIT d.o.o., Cesta komandanta Staneta 38, SI-1215 Medvode, SI	According to DIN EN 13555 2005-2
Product name	Tesnit BAGL 3000	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 20$ bar ($T = 23 \pm 2$ °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-0	5		5	5	5	5	5	5			5
1E-1	11			5	5	5	5	5			5
1E-2	26				5	5	5	5			5
1E-3	43					7	5	5			5
1E-4	62						13	7			5
1E-5	82							27			12
1E-6	117										90
1E-7											
1E-8											



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 = 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-0	10		10	10	10	10	10			10
1E-1	18		10	10	10	10	10			10
1E-2	31			10	10	10	10			10
1E-3	47				11	10	10			10
1E-4	65					20	11			10
1E-5	89						54			31
1E-6										
1E-7										
1E-8										



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 1	Creation date of this sheet: 2011-09-27
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Manufacturer address	DONIT TESNIT d.o.o., Cesta komandanta Staneta 38, SI-1215 Medvode, SI	According to DIN EN 13555 2005-2
Product name	Tesnit BAGL 3000	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Relaxation ratio P_{QR} for stiffness $C = 500$ [kN/mm]										
Gasket stress	23 ± 2 °C		Temperature 1 [200 °C]		Temperature 2 [300 °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]	0.96	10	0.78	55	0.67	84				
Stress level 2 [50 MPa]	0.96	19	0.74	111	0.64	151				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.99	18	0.72	431	0.67	337				
Q_{smax}	220 MPa		180 MPa		120 MPa					

Sekant unloading modulus of the gasket E _G [MPa] and gasket thickness e _G [mm]										
Gasket stress [MPa]	23 ± 2 °C		Temperature 1 [200 °C]		Temperature 2 [300 °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	2.078	0	2.020	0	1.990				
1	0	2.076	0	2.015	0	1.990				
20	902	1.921	1902	1.925	2472	1.885				
30	1811	1.891	2078	1.901	3701	1.869				
40	2084	1.865	2833	1.879	4416	1.852				
50	2403	1.842	3645	1.861	4513	1.836				
60	2693	1.821	3336	1.838	5246	1.821				
80	3333	1.788	3847	1.784	5634	1.795				
100	4178	1.764	4577	1.730	6890	1.775				
120	5978	1.749	4589	1.676	8140	1.758				
140	6670	1.735	4451	1.621						
160	6223	1.717	5270	1.581						
180	5732	1.701	5610	1.543						
200	5210	1.681								
220	5403	1.664								

