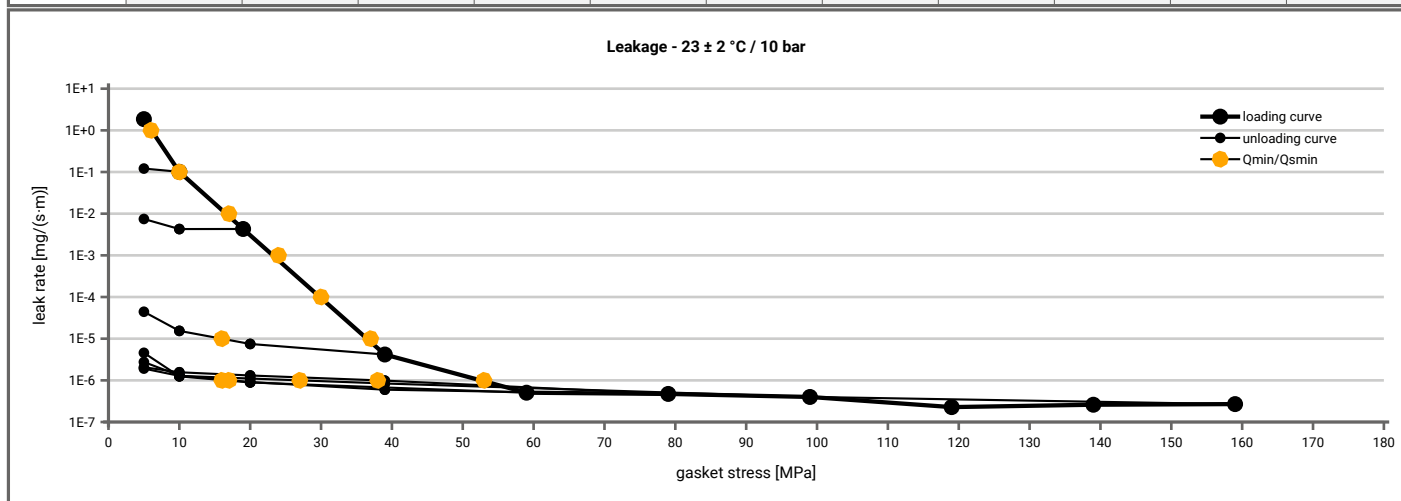


Manufacturer address	AVKO jsc., 38A Panoramen pat Str., 1616 Sofia, BG	According to DIN EN 13555 2014-7
Product name	Sheet gasket material of expanded PTFE, 2.0 mm, AVKOSEAL eC	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

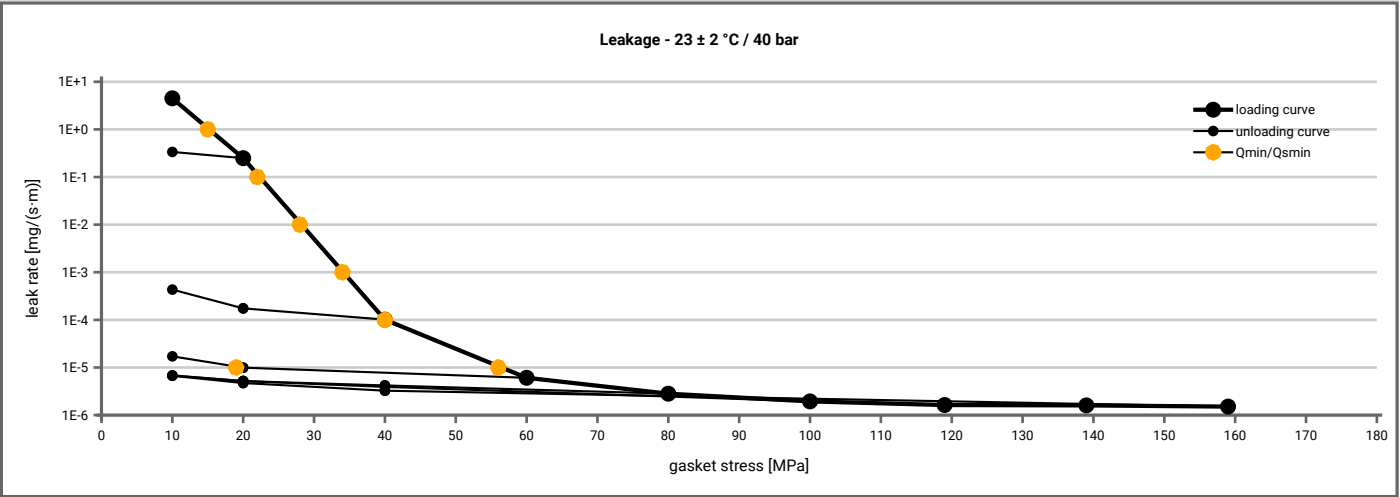
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10$ bar ($T = 23 \pm 2$ °C)											
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]									
		$Q_A = 5$ [MPa]	$Q_A = 10$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [MPa]	$Q_A = 120$ [MPa]	$Q_A = 139$ [MPa]	$Q_A = 159$ [MPa]
1E+1	5		5	5	5	5	5	5			5
1E-0	6		5	5	5	5	5	5			5
1E-1	10			5	5	5	5	5			5
1E-2	17			5	5	5	5	5			5
1E-3	24				5	5	5	5			5
1E-4	31				5	5	5	5			5
1E-5	37				16	5	5	5			5
1E-6	53					17	39	27			17
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]	$Q_A = 119$ [MPa]	$Q_A = 139$ [MPa]	$Q_A = 159$ [MPa]
1E+1	10		10	10	10	10	10			10
1E-0	15		10	10	10	10	10			10
1E-1	22			10	10	10	10			10
1E-2	28			10	10	10	10			10
1E-3	34			10	10	10	10			10
1E-4	40				10	10	10			10
1E-5	56				20	10	10			10
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: 2018-03-14
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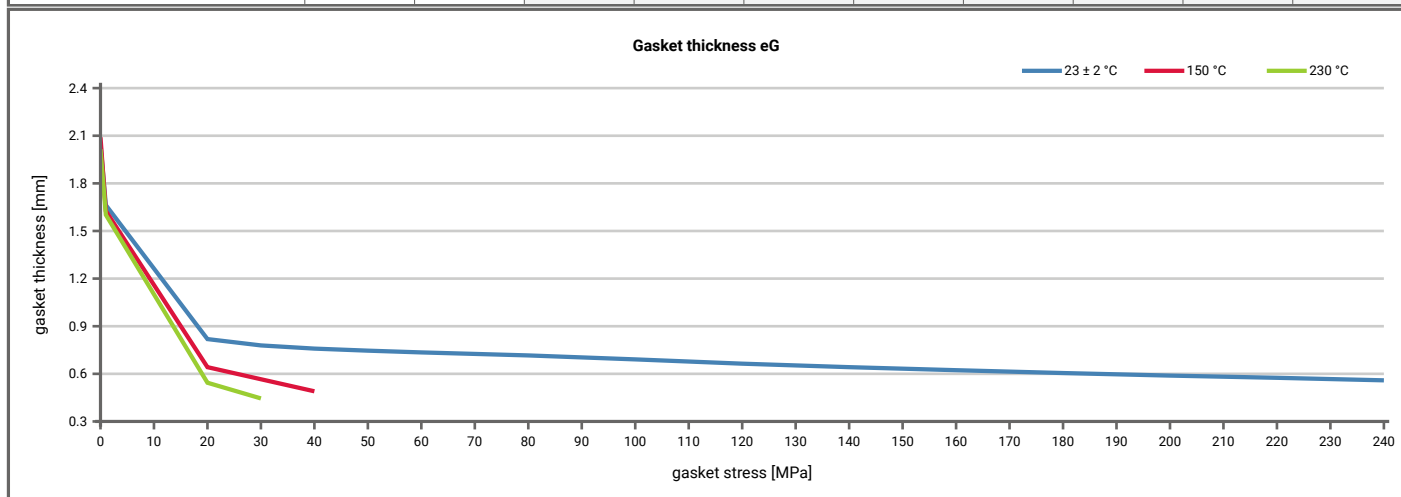
Manufacturer address	AVKO jsc., 38A Panoramen pat Str., 1616 Sofia, BG	According to DIN EN 13555 2014-7
Product name	Sheet gasket material of expanded PTFE, 2.0 mm, AVKOSEAL eC	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	



Manufacturer address	AVKO jsc., 38A Panoramen pat Str., 1616 Sofia, BG	According to DIN EN 13555 2014-7
Product name	Sheet gasket material of expanded PTFE, 2.0 mm, AVKOSEAL eC	
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Relaxation ratio P_{QR} for stiffness $C = 500$ [kN/mm]										
Gasket stress	23 ± 2 °C		Temperature 1 [150 °C]		Temperature 2 [230 °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 [20 MPa]	0.87	23	0.60	68	0.51	83				
Stress level 2 [30 MPa]	0.89	29	0.61	99	0.50	127				
Stress level 3 [50 MPa]	0.96	17								
Stress level 4 [80 MPa]	0.94	40								
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.97	60	0.58	159	0.45	163				
Q_{smax}	240 MPa		45 MPa		35 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	23 ± 2 °C		Temperature 1 [150 °C]		Temperature 2 [230 °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	2.050	0	2.090	0	2.015				
1	0	1.663	0	1.626	0	1.602				
20	597	0.819	1912	0.642	896	0.544				
30	1055	0.779	2255	0.566	1881	0.445				
40	1578	0.759	2324	0.490						
50	2011	0.746								
60	2335	0.735								
80	2973	0.716								
100	3466	0.691								
120	3642	0.664								
140	3677	0.642								
160	3724	0.623								
180	3715	0.605								
200	3711	0.589								
220	3723	0.575								
240	3490	0.559								



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 1	Creation date of this sheet: 2018-03-14
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