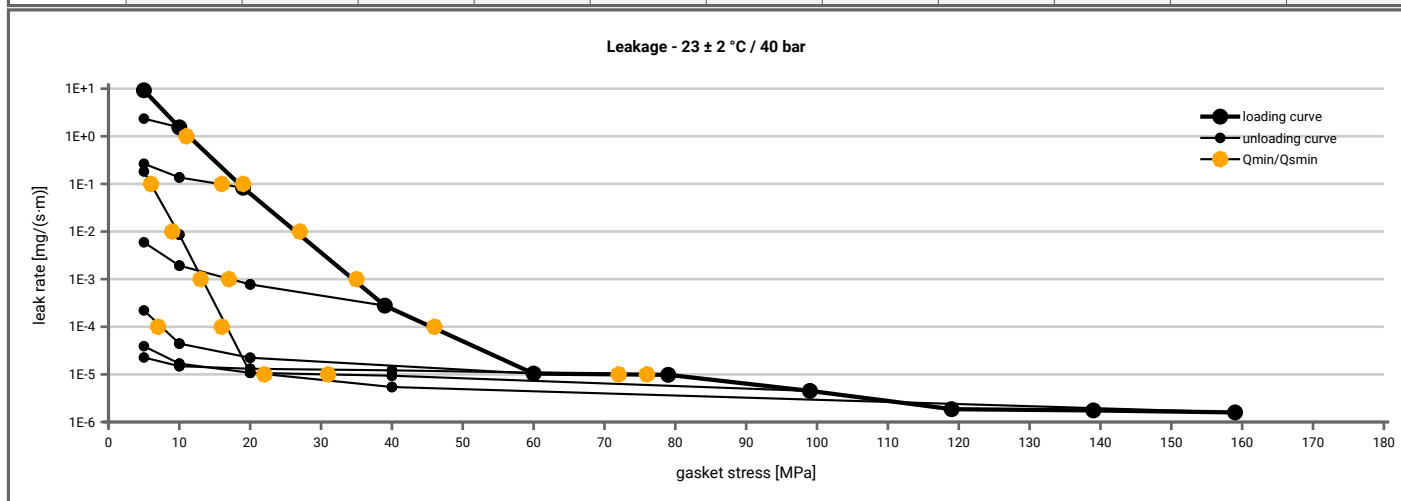


Manufacturer address	FluorTex GmbH, Auf der Gröb 2c, 83064 Raubling, DE	According to DIN EN 13555 2005-2
Product name	multiFlon	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 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+1	5		5	5	5	5	5	5			5
1E-0	11			5	5	5	5	5			5
1E-1	19			16	5	5	5	5			6
1E-2	27				5	5	5	5			10
1E-3	35				17	5	5	5			13
1E-4	46					8	5	5			17
1E-5	73						76	31			23
1E-6											
1E-7											
1E-8											

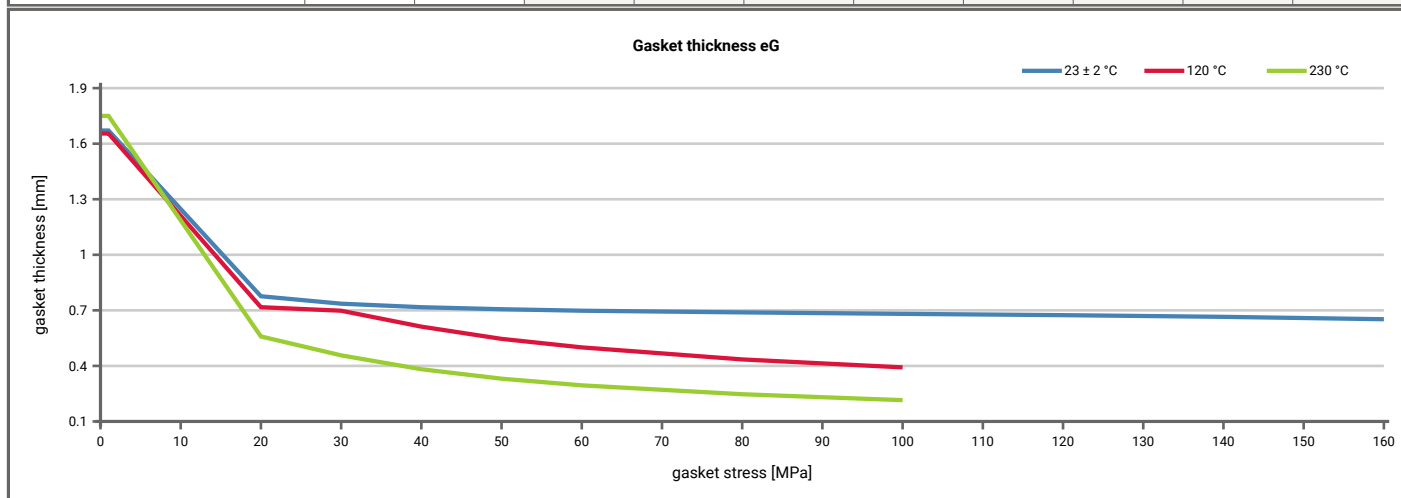


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 1	Creation date of this sheet: 2014-04-14
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Manufacturer address	FluorTex GmbH, Auf der Gröb 2c, 83064 Raubling, DE	According to DIN EN 13555 2005-2
Product name	multiFlon	
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 [120 °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 [30 MPa]	0.94	16	0.90	26	0.46	137				
Stress level 2 [50 MPa]	0.98	10	0.67	138	0.44	237				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.96	54	0.65	298	0.53	399				
Q_{smax}	160 MPa		100 MPa		100 MPa					

Sekant unloading modulus of the gasket E _G [MPa] and gasket thickness e _g [mm]										
Gasket stress [MPa]	23 ± 2 °C		Temperature 1 [120 °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	1.671	0	1.655	0	1.750				
1	0	1.671	0	1.655	0	1.750				
20	386	0.776	845	0.717	521	0.559				
30	721	0.736	1440	0.698	787	0.457				
40	1127	0.717	1902	0.612	864	0.382				
50	1556	0.706	1789	0.546	915	0.331				
60	1934	0.698	2329	0.500	909	0.295				
80	2517	0.689	2387	0.435	1202	0.247				
100	2877	0.681	2465	0.392	1178	0.215				
120	3194	0.674								
140	3359	0.665								
160	3521	0.652								



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