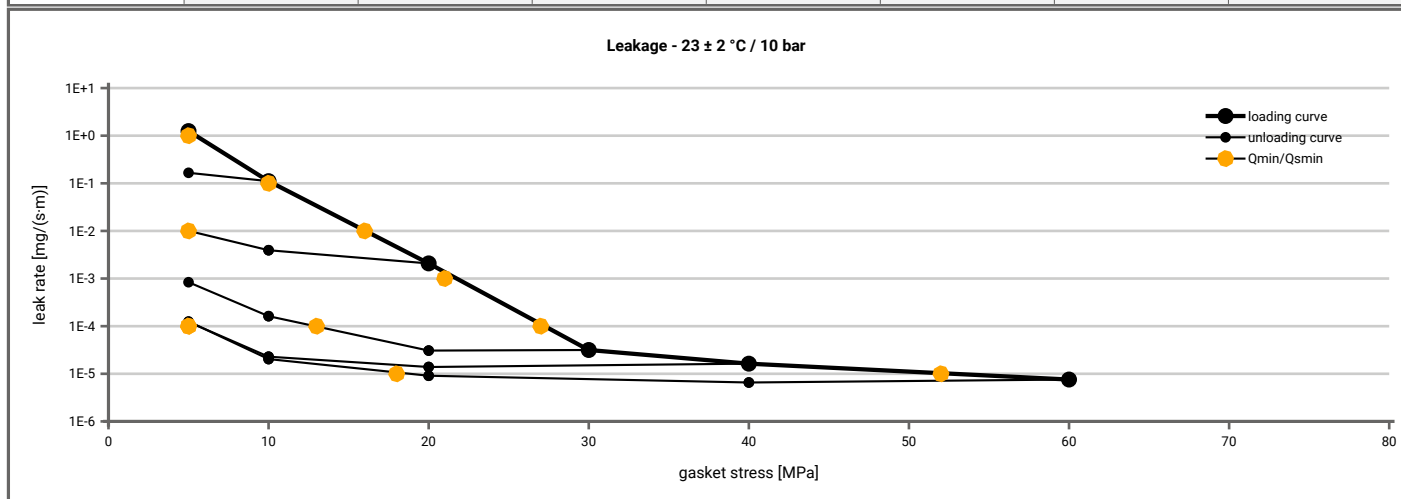
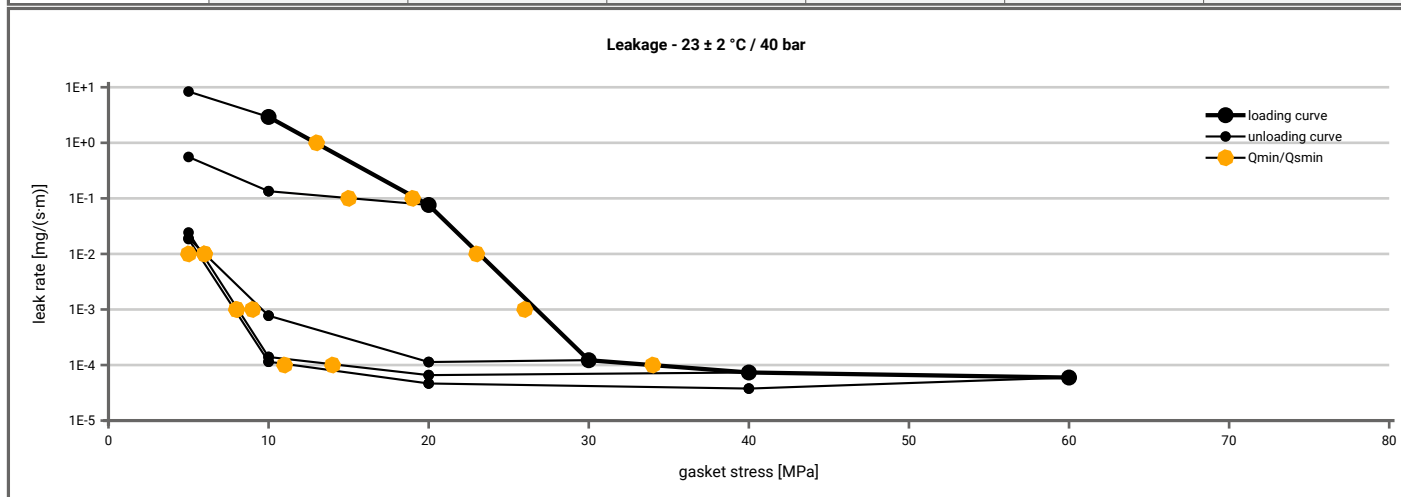


Manufacturer address	Planichem, Via Consolare 41-43, 25030 Zocco di Erbusco (BS), IT	According to DIN EN 13555 2014-7
Product name	SICHEM S33	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

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]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]
1E+1	5		5	5	5	5	5
1E-0	6		5	5	5	5	5
1E-1	10			5	5	5	5
1E-2	16			5	5	5	5
1E-3	22				5	5	5
1E-4	27				13	6	6
1E-5	53						19
1E-6							
1E-7							
1E-8							



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ bar ($T = 23 \pm 2$ °C)						
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]				
		$Q_A = 10$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]
1E+1	10	5	5	5	5	5
1E-0	13		5	5	5	5
1E-1	19		15	5	5	5
1E-2	23			6	6	6
1E-3	27			10	8	8
1E-4	34				15	12
1E-5						
1E-6						
1E-7						
1E-8						

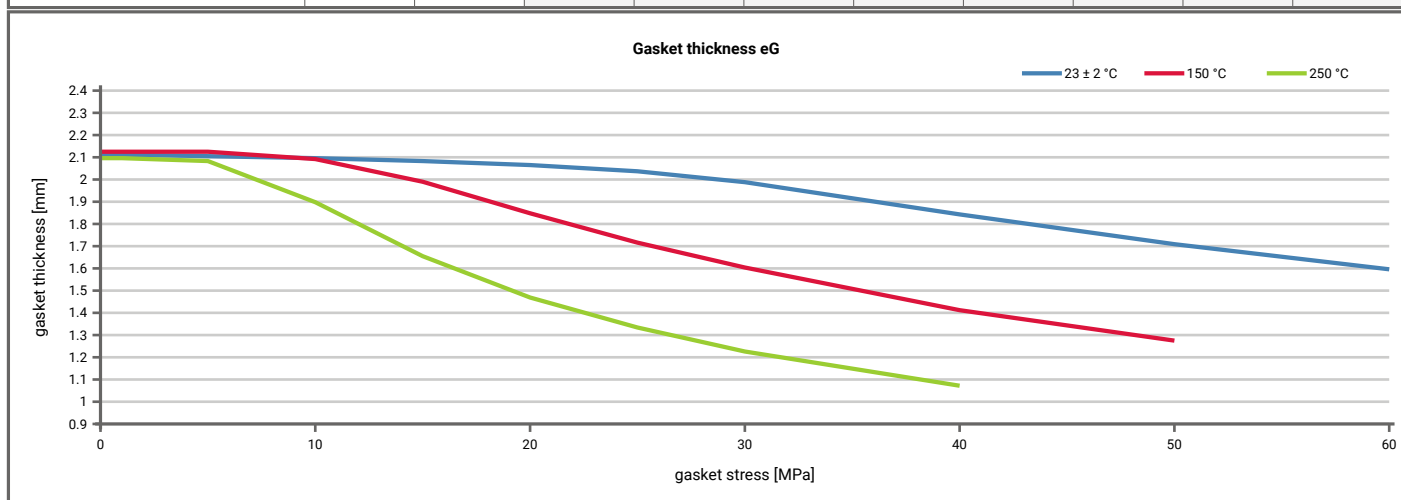


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 1	Creation date of this sheet: 2017-03-31
--	-------------	---

Manufacturer address	Planichem, Via Consolare 41-43, 25030 Zocco di Erbusco (BS), IT	According to DIN EN 13555 2014-7
Product name	SICHEM S33	
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 [150 °C]		Temperature 2 [250 °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 [10 MPa]	0.97	3	0.90	9	0.63	31				
Stress level 2 [30 MPa]	0.95	13	0.57	110	0.37	160				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.90	50	0.59	174	0.34	222				
Q_{smax}	60 MPa		50 MPa		40 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 [250 °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	2.112	0	2.125	0	2.096				
1	0	2.112	0	2.125	0	2.096				
5	4183	2.105	3163	2.125	1343	2.083				
10	3841	2.096	2226	2.092	824	1.898				
15	3382	2.083	1148	1.990	924	1.655				
20	3494	2.065	1123	1.848	987	1.469				
25	3298	2.037	1247	1.716	1019	1.334				
30	3201	1.988	1336	1.604	1062	1.226				
40	3170	1.843	1753	1.412	1224	1.072				
50	3457	1.709	1975	1.275						
60	3846	1.596								



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 1	Creation date of this sheet: 2017-03-31
--	-------------	---