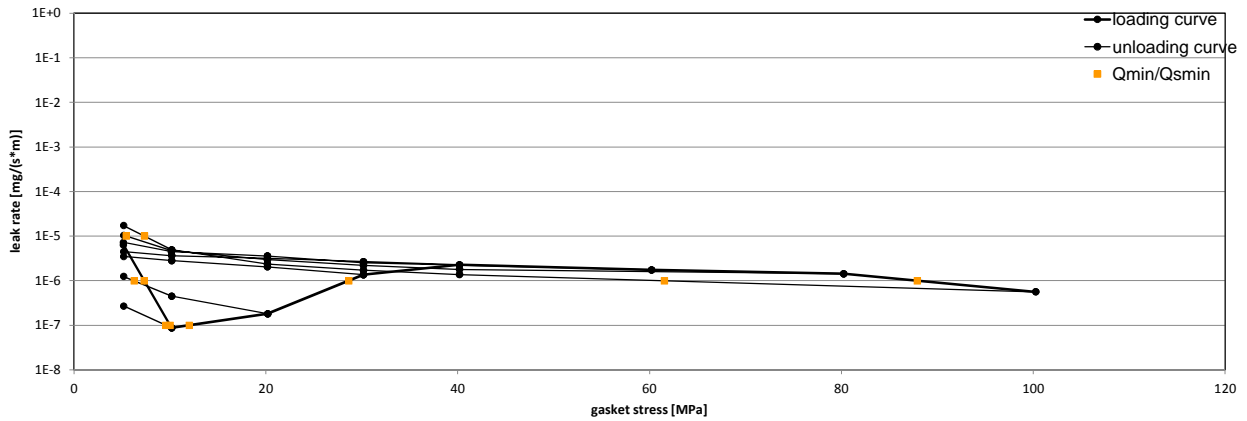


Company Address	Kempchen Dichtungstechnik GmbH, Im Waldteich 21, 46147 Oberhausen, Germany
Gasket Type	Profile gasket PW21 (1.4541; TFM1600; s=0,75mm)
Sealing element dimensions [mm]	49 / 92 x 3,5 (DIN 1514-3)

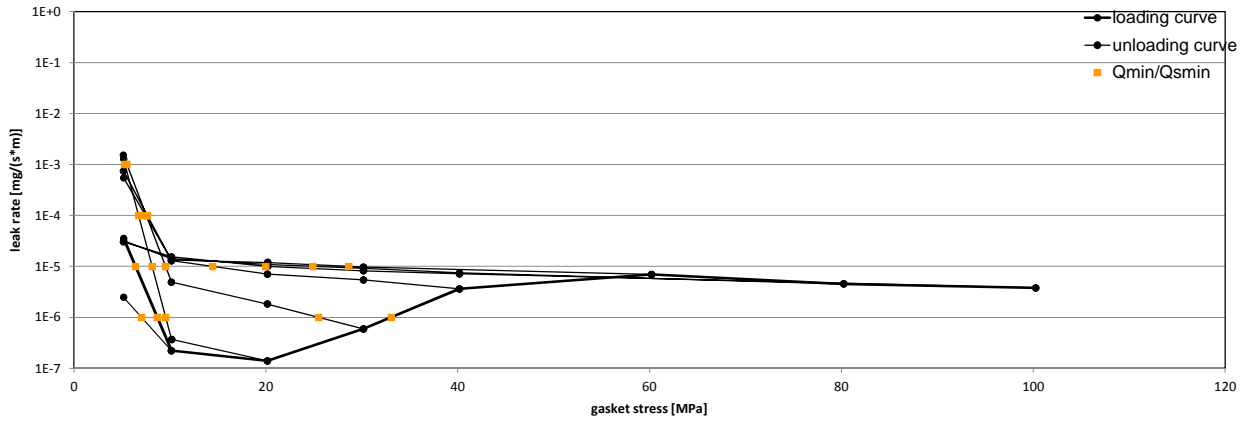
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar							
		Q _{Smin/L} [MPa]							
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	
10 ⁰	5	5	5	5	5	5	5	5	
10 ⁻¹	5	5	5	5	5	5	5	5	
10 ⁻²	5	5	5	5	5	5	5	5	
10 ⁻³	5	5	5	5	5	5	5	5	
10 ⁻⁴	5	5	5	5	5	5	5	5	
10 ⁻⁵	5	5	5	5	5	5	5	7	
10 ⁻⁶	7	5	6					62	
10 ⁻⁷	10	10							
10 ⁻⁸									

Leakage - ambient temperature / inner pressure = 10 bar



L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar							
		Q _{Smin/L} [MPa]							
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa	
10 ⁰	5	5	5	5	5	5	5	5	
10 ⁻¹	5	5	5	5	5	5	5	5	
10 ⁻²	5	5	5	5	5	5	5	5	
10 ⁻³	5	5	5	6	5	5	5	5	
10 ⁻⁴	5	5	7	8	8	7	5	5	
10 ⁻⁵	6	5	8	10	14	29	25	20	
10 ⁻⁶	9	7	10	26					
10 ⁻⁷									
10 ⁻⁸									

Leakage - ambient temperature / inner pressure = 40 bar



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

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Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

