



CENTER OF SEALING TECHNOLOGIES

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# Certificate

The gasket type **Dryflex® with Graphite Layers** of the manufacturer

**Centrum Specjalistycznych Usług Technicznych**

**Spetech Sp. z o.o.**

**43-382 Bielsko-Biala**

**ul. Szypów 17**

**Poland**

has been tested in compliance with TA Luft in accordance with the VDI-Guideline 2200 (June 2005) by the Department of Gasketing Research of the University of applied Sciences Münster. The test was verified in a first time test with following test conditions:

Initial gasket thickness:	3,6 mm
Real gasket dimensions:	68 x 56 mm (O.D. x I.D.)
Test flange:	DN40 / PN40
Initial gasket stress:	30,0 MPa*
	*according to a flat gasket EN 1514-1 with dimensions 92 x 49 mm
Exposure conditions:	400 °C / 48h
Test conditions:	24h / ambient temperature

The leak rate, measured at room temperature, with a helium mass spectrometer and a differential pressure of 1 bar resulted in a leak rate of:

$$5,9 \cdot 10^{-9} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$$

Residual gasket stress:	27,1 MPa*
	*according to a flat gasket EN 1514-1 with dimensions 92 x 49 mm

The maximum accepted leak rate of  $1,0 \cdot 10^{-4} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$  has not been exceeded.

The above mentioned gasket is in accordance with TA Luft.

The blow out safety test in accordance with VDI-Guideline 2200 resulted in:

**No Blow out till Class B: 60 bar**

This test certificate is only valid in combination with the test report 09061201-1.

Steinfurt, 19.01.2010

Prof. Dr. A. Riedl

**Z09120901-1**

*Accredited under the DAP German Accreditation of TÜV SÜD.*