



CENTER OF SEALING TECHNOLOGIES

Münster University of Applied Sciences
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Certificate

The gasket type **Dryflex® with PTFE 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:	250 °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:

$$2,1 \cdot 10^{-8} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$$

Residual gasket stress:	23 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 09120901-2.

Steinfurt, 05.01.2010

Prof. Dr. A. Riedl

Z09120901-2

Accredited under the DAP German Accreditation of TÜV SÜD.