

CENTER OF SEALING TECHNOLOGIES

Münster University of Applied Sciences
Faculty of Engineering Physics
Bürgerkamp 3
D-48565 Steinfurt

Fachhochschule
Münster University of
Applied Sciences



Certificate

The gasket type **Garlock Gylon® Style 3545** of the manufacturer

Garlock Sealing Technologies®
Falkenweg 1
D-41430 Neuss, Germany

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:	3,2 mm
Test flange:	DN40 / PN40
Initial gasket stress:	30,0 MPa
Exposure conditions:	230 °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:

$$6,6 \cdot 10^{-5} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$$

Residual gasket stress: 3,1 MPa.

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.

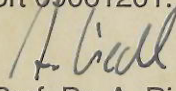
The above mentioned gasket is in accordance with TA Luft.

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

Class B: 40 bar

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

Steinfurt, 02.09.2009


Prof. Dr. A. Riedl

Z09061201

Accredited under the DAP German Accreditation of TÜV SÜD.