



Certificate

The gasket type **Garlock IFG® 5500** 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:	2 mm
Initial gasket dimension:	92 x 49 mm ²
Test flange:	DN40 / PN40
Initial gasket stress:	30,0 MPa
Exposure conditions:	200 °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:

$$3,5 \cdot 10^{-5} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$$

Residual gasket stress: 13,6 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 issuance of this certificate is based upon examination and conditions, documented in test report 07110501-2 dated on 21. November 2007.

Steinfurt, 29.05.2019

Prof. Dr. A. Riedl