



Certificate

Z-1511030101

The flat gasket type
TEADIT 30 SH

of the manufacturer
TEADIT International Produktions GmbH
Rosenheimer Str. 10
6330 Kufstein
AUSTRIA

has been tested in compliance with TA Luft in accordance with the VDI-guideline 2200 (2007-06) by the Company GAIST. The test was verified in a first time test with following test conditions:

Initial gasket thickness:	3 mm
Test flange:	DN40/PN40, EN1092-1, form B, type 11, welding-neck, 1.4571
Initial gasket stress:	30 MPa
Thermal storage temperature:	250 °C
Thermal storage duration:	48 h
Test conditions:	23 °C

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:

$$8.3 \cdot 10^{-7} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$$

Residual gasket stress (Q_R): 7.4 MPa.

The maximum acceptable leak rate of $1.0 \cdot 10^{-4} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$ according to VDI-guideline 2440 (2000-11) has not been exceeded. The above-mentioned gasket is in accordance with TA Luft.

The blowout safety test in accordance to VDI-guideline 2200 resulted for

Test step 1 at Q_R :	60 bar, no blowout
Test step 2 at 5 MPa (Q_{Smin}):	60 bar, no blowout

This test certificate is only valid in combination with the test report 1511030101.

Steinfurt, 2015-11-30


Mr. Reppien
Managing Director