

Certificate Z-200629004

TEADIT 28LS-LE

TEADIT International Produktions GmbH

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Austria

The above-mentioned gasket was tested by GAIST in accordance with the VDI-guideline 2200 (2007-06) regarding high quality according to TA Luft. The investigation took place under the following test conditions:

| | |
|---------------------------|---------------------------------------|
| Gasket thickness: | 3 mm |
| Test flange assembly: | Steel flange pair EN1092-1, DN40/PN40 |
| Initial gasket stress: | 30 MPa |
| Thermal storage temp.: | 250 °C |
| Thermal storage duration: | 48 h |
| Test temperature: | 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:

$$1.1 \cdot 10^{-6} \text{ mbar} \cdot \text{l}/(\text{s} \cdot \text{m})$$

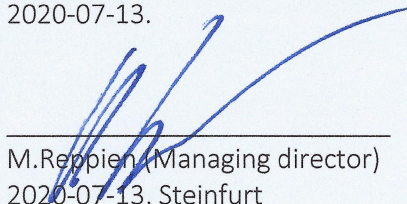
Residual gasket stress (Q_R): 6.6 MPa

The maximum acceptable leak rate of $1.0 \cdot 10^{-4} \text{ mbar} \cdot \text{l}/(\text{s} \cdot \text{m})$ according to VDI-guideline 2440 (2000-11) has not been exceeded. The tested gasket is therefore considered to be of high quality 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_{min}): | 60 bar, no blowout |

The issuance of this certificate is based upon examinations and conditions, documented in test report no. 200629004, dated 2020-07-13.


M.Reppien (Managing director)
2020-07-13, Steinfurt