



Industrie Service

Attestation

Attestation No. IS-AN5-MUC-2410-744070-012

KLINGER Kempchen GmbH
Im Waldteich 21
46147 Oberhausen

Hereby is confirmed that the gasket material, material of the above-mentioned company has been tested and recognised in accordance with VDI 2200. Details can be found in the corresponding test report.

The product fulfilled the followings requirements:

Leakage detection VDI 2200 $\lambda \leq 1 \times 10^{-4} \text{ mg / (s * m)}$ ($Q_A = 30 \text{ MPa}$; $\Delta p = 1 \text{ bar}$)

- Ageing temperature $T = 300 \text{ °C}$ (VDI 2200)
- Checking the required surface pressure in accordance with the operating instructions is a prerequisite at elevated temperatures.

Blow-out safety (VDI 2200:2007 / VDI 2290:2012)

- Initial surface pressure ($Q_A = 30 \text{ MPa}$)
- Blow-out safety class C
- TRwS blow-out safety according to TÜV test instructions $> 2,5 p_{\text{max}}$

The certificate is based on the test instructions for blow-out safety with regard to the suitability of flange gaskets issued by the Institute for Plastics.

The prerequisite for this is the use of flange systems made of steel that reach or exceed the minimum surface pressure during installation and are operated below the maximum permissible temperature and the maximum permissible internal pressure.

Blow-out safety:

- | | |
|----------|--|
| Class A, | with 100 bar internal pressure, with residual surface pressure after ageing |
| Class B, | with 100 bar internal pressure, with a minimum surface pressure $Q_{\text{min}} 13 \text{ N/mm}^2$ Q_{min} , of approx. 13 N/mm^2 |
| Class C, | with 100 bar internal pressure, Q_{min} reduced by a further 25 %, i.e. approx. 10 N/mm^2 |

Product description:

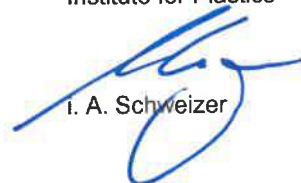
- RHD 2S3075-i A1 and F1 / RSP 2S2075-i A1 and F1 tested thickness 2 mm
- Rivatherm high-pressure / Super-Plus and with CrNi steel inner surround

If the design of the flange connection with sealing characteristics in accordance with EN 13555 and regulated installation is verified, the sealed connection can be considered technically tight in the sense of TA-Luft (section 5.2.6.3).

This attestation is valid until October 2027.

Munich, 31 October 2024

TÜV SÜD Industrie Service GmbH
Institute for Plastics


I. A. Schweizer

