

# Certificate

**Gasket material:** novaflon® 100  
**Type:** DN40/ PN40  
**Test criteria:** Compliance with the tightness criteria according to TA-Luft [10-4 mbar · l/(m · s)]  
**standard:** VDI-Guideline 2440 (edition November 2000)  
 VDI-Guideline 2200 (edition Juni 2007)  
**Test conditions:**

|                              |        |
|------------------------------|--------|
| initial gasket stress:       | 30 MPa |
| temperature of exposure :    | 150 °C |
| period of exposure :         | 48 h   |
| test pressure (absolute) :   | 1 bar  |
| period of leakagemasurement: | 24 h   |

**measured leak rate:**  $5,81 \cdot 10^{-6}$  mbar · l/(m · s)  
 (Helium-leak detector)

Therefore the gasket is in compliance with the tightness criteria of  $10^{-4}$  mbar · l/(m · s) and the gasket material can be regarded as **high-grade** sealing system for the purposes of **TA-Luft**.

This certificate is only valid in combination with our laboratory test report (Report Nr.: EMP- EMP-0990403) of 22.10.2004.

Bad Berneck, 03.02.2014

Frenzelit Werke GmbH



General Manager Gasket Division



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