

Certificate

Gasket material: novatec® PREMIUM XP 2,0 mm
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 :	200 °C
period of exposure :	48 h
test pressure (absolute) :	1 bar
period of leakage	
measurement: :	24 h

measured leak rate: $5,58 \cdot 10^{-5}$ 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-LB-12-005_1) of 27.09.2012 .

Bad Berneck, 23.01.2014

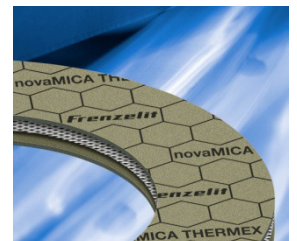
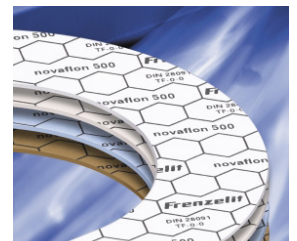
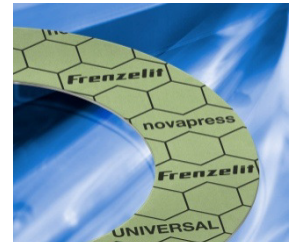
Frenzelit Werke GmbH



ppa. Bertram Axmann
 General Manager Gasket Division



i.A. Andreas Will
 Head of development/material testing



Certificate

Gasket material: novatec® PREMIUM XP 2,0 mm
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 :	250 °C
period of exposure :	48 h
test pressure (absolute) :	1 bar
period of leakage	
measurement: :	24 h

measured leak rate: $3,09 \cdot 10^{-5}$ 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-LB-12-005_2) of 27.09.2012 .

Bad Berneck, 23.01.2014

Frenzelit Werke GmbH



ppa. Bertram Axmann
General Manager Gasket Division



i.A. Andreas Will
Head of development/material testing

