# GORE® GR

*SHEET GASKETING*

# Technical bulletin – TA Luft test in accordance with VDI 2200 (06-2007) (“High-quality seal”)

**Product:** GORE® GR sheet gasketing

**Test dates:** February 2006

**Test institute:** Fachhochschule Münster

**Test procedures:** Component test according to VDI 2200 (06-2007)

## Test overview:

For the TA Luft[1] component test, the seal is mounted in a DN40/PN40 steel flange with a gasket stress of 30 MPa. The flange is then exposed to the maximum recommended application temperature (in this case: 230 °C) for 48 hours.

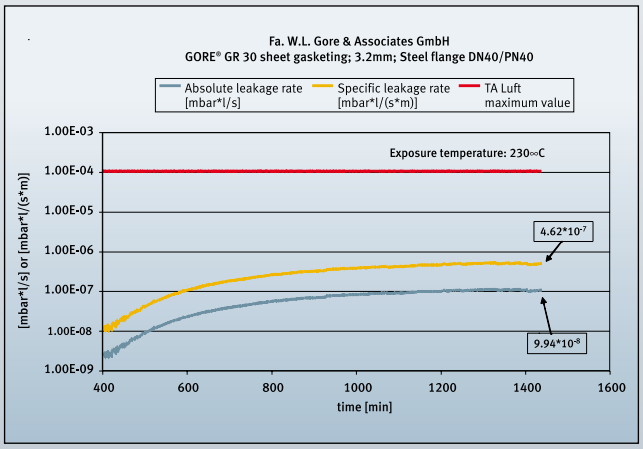
The test setup is then allowed to cool down and leakage is measured using helium over a period of at least 24 hours. The differential pressure in this case is 1 bar.

The ultimate leakage after a test duration of 24 hours must remain below $10^{-4}$ mbar*l/(s*m) for the seal to qualify as a “high quality seal” in accordance with TA Luft.

[1] Technical instructions concerning air purity, for compliance with the German Federal Emissions Protection Act

## Test results:

The specific leakage values recorded over a seal length of 1 meter were below $10^{-6}$ mbar*l/(s*m). The seal therefore meets the criteria of TA Luft for a “high-quality seal” and is thus certified in accordance with TA Luft.




FOR INDUSTRIAL USE ONLY. Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.


**North America/South America**
**W. L. Gore & Associates Inc. (USA)**
Tel.: +1 800 654-4229
Fax: +1 410 506-8585
Email: *sealants@wlgore.com*

**Europe/Middle East/Russia/Africa**
**W. L. Gore & Associates GmbH (Germany)**
Tel.: +49 89 4612-2215
Fax: +49 89 4612-43780
Email: *sealants_EU@wlgore.com*

**Asia/Australia**
**W. L. Gore & Associates (China)**
Tel.: +86 21 6247-1999
Fax: +86 21 6247-9199
Email: *sealants_AP@wlgore.com*

**gore.co.uk/sealants**




SEAL-150-TEC-EN-JUN13