GORE 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 Luft¹ 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

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Fa. W.L. Gore & Associates GmbH GORE® GR 30 sheet gasketing; 3.2mm; Steel flange DN40/PN40 Absolute leakage rate Specific leakage rate 🥊 [mbar*l/(s*m)] [mbar*l/s] 1.00E-0 1.00E-04 *[/(s*m)] 1.00E-05 1.00E-0





TA Luft

Exposure temperature: 230∞C

maximum value

All technical information and advice given here is based on our previous experiences and/or test results. We give this information to the best of our knowledge, but assume no legal responsibility. Customers are asked to check the suitability and usability in the specific application, since the performance of the product can only be judged when all necessary operating data are available. Specifications are subject to change without notice. Gore's terms and conditions of sale apply to the purchase and sale of the product.

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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.