



# GORE® GR

SHEET GASKETING

## Technical bulletin – Blow-out resistance in accordance with VDI 2200 (06-2007)

**Product:** GORE® GR sheet gasketing  
**Test dates:** February 2006  
**Test institute:** Fachhochschule Münster  
**Test procedures:** Blow-out test series according to VDI 2200 (06-2007)

### TEST OVERVIEW:

The blow-out test according to VDI 2200 (06-2007) involves a DN40 flange of the required material and at the required pressure level being equipped with a seal and heated to the required exposure temperature.

There are two different test steps:  
 Test Step 1 and Test Step 2.

In Test Step 1, the cooled flange, having been exposed to the set residual gasket stress, has an internal pressure applied to it in increments of 5 bar. Test Step 1 is attained if 1.5 times the nominal pressure is reached without a defined pressure drop being observed.

Test Step 2 can only be attempted if Test Step 1 has been attained. In this case, the residual gasket stress is reduced further to a  $Q_{Smin}$  value to be specified by the manufacturer (in this case: 5 MPa). The test procedure is the same as for Test Step 1. Test Step 2 cannot be performed if the residual gasket stress is below  $Q_{Smin}$  after exposure to temperature.

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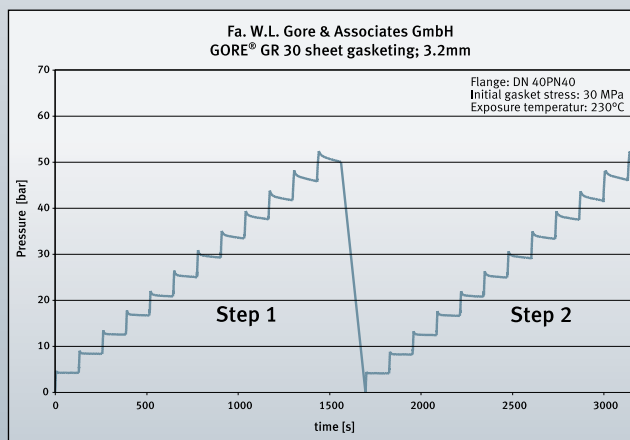
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### TEST RESULTS:

Material	Thickness [mm]	Flange type	Exposure temp. [°C]	Initial gasket stress [MPa]
GORE® GR	3.2	DN40/PN40 steel	230	30

Test Step 1	Test Step 2
Yes, 60 bar	Yes, 60 bar



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