

Technical Literature F-05

AURUM[®] JCN3030 Thermal Shock Test

The Table below shows results of a thermal shock test conducted on an AURUM[®] CF-reinforced resin JCN3030.

Low-temperature thermal shock test:

- Low-temperature thermal shock conditions:

120°C → 23°C → -50°C → 23°C → 120°C
 (15 min) (3 min) (15 min) (3 min) (15 min)
 ← Repeating unit (1 cycle) →

- Number of repeating cycles: 1,000 cycles

Table 1 Test Results

Test item	Tensile strength (kg/mm ²)	Tensile elasticity modulus (kg/mm ²)	Flexural strength (kg/mm ²)	Flexural modulus (kg/mm ²)
Blank test	23	2,200	35	1,850
After 1,000 cycles	23	2,020	36	1,880

* After the thermal shock test, the test specimens showed no abnormality in appearance, etc.

The information contained herein is based on the information and data available at this moment, but none of the data or evaluation results contained herein provide any warranty whatsoever.