

JIS

JAPANESE INDUSTRIAL STANDARD

**Testing method of
Izod impact strength of
glass fiber reinforced plastics**

JIS K 7062^{—1992}

Translated and Published

by

Japanese Standards Association

**In the event of any doubt arising,
the original Standard in Japanese is to be final authority.**

JAPANESE INDUSTRIAL STANDARD

J I S

Testing method for Izod impact strength of
glass fiber reinforced plastics

K 7062-1992

1. Scope

This Japanese Industrial Standard specifies the method for the Izod impact test (hereafter referred to as an impact test) of glass fiber reinforced plastics (hereafter referred to as GFRP).

Remarks 1. The test by this method is a type of impact bending test. The test is as follows: When one end of the specifically sized test piece, which has been held as a cantilever, is impacted with specified speed and specified energy that is larger than that required for fracture, the energy needed for its fracture by one impact shall be measured, and then such as impact resistance, brittleness, and toughness of the test piece, GFRP, shall be measured.

2. The standards applicable to this Standard are as follows.

JIS B 7502-Micrometer Callipers for External Measurement

JIS B 7507-Vernier Callipers

JIS B 7739-Pendulum-Type Impact Testing Machines for
Non-Metallic Materials

JIS K 6900-Glossary of Terms Used in Plastic Industry

JIS K 7011-Glass Fibre Reinforced Plastics for Structural
Use

JIS K 7100-Standard Atmospheres for Conditioning and
Testing of Plastics

JIS Z 8401-Rules for Rounding off of Numerical Values

3. The units put in { } in this Standard are based on the traditional units and are appended for informative reference.

2. Definition of terms

The definition of main terms used in this Standard shall be as follows except those defined in JIS K 6900.

- (1) Izod impact test The test to measure Izod impact value by the operation as follows: Fix vertically one end of a test piece at its middle on a test-piece supporting base, give an impact to the spot of free end, 22 mm off from the fixed end of the test piece, by a hammer of an impact machine, and break the test piece by one impact.