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**Test method for open-hole compressive
strength of carbon fibre reinforced
plastics**

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Aerospace Exploration Agency (JAXA)/the Japan Plastics Industry Federation (JPIF) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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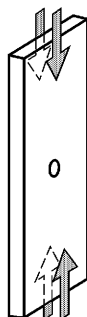
Test method for open-hole compressive strength of carbon fibre reinforced plastics

1 Scope

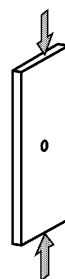
This Japanese Industrial Standard specifies the test method of obtaining the open-hole compressive strength of unidirectional materials or woven fabric materials of carbon fibre reinforced plastics.

NOTE: For the method to obtain the compressive strength of the open-hole test specimen of carbon fibre reinforced plastics, the method to obtain the compressive strength of open-hole part by applying forces to both surfaces of test specimen in the longitudinal direction of the test specimen (shear loading system) represented by **ASTM D 6484** (see Bibliography [1]) is known.

On the other hand, the method specified in this Standard is the method to obtain the compressive strength by applying the compressive force directly to the end part of test specimen (end part loading system), and it is known that a smaller-sized test specimen and a smaller-sized jig as compared with the method of **ASTM D 6484** are used and the equal results are obtained.



Shear loading system



End part loading system

Warning: Persons using this Standard should be familiar with normal laboratory practice. This Standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS K 7010 *Vocabulary for fibre reinforced plastic*

JIS K 7016-1 *Fibre-reinforced plastics—Methods of producing test plates—Part 1: General conditions*