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(JCI)

**Test method for tensile properties of  
fiber reinforced polymer (FRP) sheets for  
reinforcement of concrete**

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In the event of any doubts arising as to the contents,  
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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Land, Infrastructure, Transport and Tourism through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Concrete Institute (JCI) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied *mutatis mutandis* pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS A 1191** : 2004), which has been technically revised.

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# Test method for tensile properties of fiber reinforced polymer (FRP) sheets for reinforcement of concrete

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 10406-2** : 2015, Edition 2, with some modifications of the technical contents.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA. The comparison table between previous and current editions of this Standard on technically significant revisions is given in Annex JB.

## 1 Scope

This Standard specifies test methods for tensile properties of fiber reinforced polymer (FRP) sheets for reinforcement of impregnated and cured concrete members using impregnated adhesive resin.

**NOTE** The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 10406-2 : 2015 *Fibre-reinforced polymer (FRP) reinforcement of concrete — Test methods — Part 2 : FRP sheets* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

## 2 Normative references

Part or all of the provisions of the following standards, 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 B 7721 *Tension/compression testing machines — Calibration and verification of the force-measuring system*

JIS K 7100 *Plastics — Standard atmospheres for conditioning and testing*

JIS Z 8401 *Rounding of numbers*

## 3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those given in **JIS K 7100** apply.

### 3.1

FRP sheet