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**Safety glazing materials for road vehicles**

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Flat Glass Manufacturers Association of Japan (FGMAJ)/Japanese Standards Association (JSA) 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 R 3211:2015**), which has been technically revised.

However, **JIS R 3211: 2015** may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 19 April 2022.

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# Safety glazing materials for road vehicles

## Introduction

This Japanese Industrial Standard was established in 1979, and has gone through five revisions including this one. The last revision was made in 2015; this revision has been initiated to add the requirements for plastic glazing products intended for the windscreen of road vehicles.

No corresponding International Standard has been established at this point.

## 1 Scope

This Standard mainly specifies requirements for the safety glazing materials to be used for the windows of road vehicles (hereafter referred to as safety glasses).

## 2 Normative reference

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

JIS R 3212 *Test methods of safety glazing materials for road vehicles*

## 3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

### 3.1

#### **safety glass**

generic term for laminated glass, toughened glass, zone-toughened glass, plastic glazing and glass-plastics, that are glass products processed in such a way as to alleviate personal injuries caused by breakage of window glass

### 3.2

#### **laminated glass**

glazing material manufactured by bonding two or more layers of glass with an interlayer of plastics so as to minimize the scattering of fragments in cases of breakage due to external force

Laminated glasses are classified into laminated glass A which has an interlayer with enhanced penetration resistance, and laminated glass B which has an interlayer with enhanced adhesiveness.

### 3.3

#### **toughened glass**