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**Laminated thermosetting high-pressure  
decorative sheets**

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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 The Japan Plastics Industry Federation (JPIF)/Japan Thermosetting Plastics Industry Association (JTPIA)/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 K 6903** : 2008), which has been technically revised.

However, **JIS K 6903** : 2008 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 20 February 2023.

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# Laminated thermosetting high-pressure decorative sheets

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 4586-3** : 2018, Edition 2, and **ISO 4586-4** : 2018, Edition 2, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

## 1 Scope

This Standard specifies requirements for laminated thermosetting high-pressure decorative sheets (hereafter referred to as high-pressure decorative laminates).

This Standard establishes a classification system for high-pressure decorative laminates according to their performance and main applications (material characteristics, for example, postformability or reaction to fire).

This Standard specifies the characteristics requirements for high-pressure decorative laminates classified by this system. Some of these characteristics have more than one test method for checking the conformance, including an alternative test method capable of giving approximately equivalent results, an expensive test method and an exclusive test method in certain countries.

This Standard specifies the required characteristics of commonly used types, and those of other types may be added in accordance with the agreement between the parties concerned with delivery. The specified limit values shall apply to commonly used types; however, higher performance limit values for each classification may be specified in accordance with the agreement between the parties concerned with delivery.

The high-pressure decorative laminates shall be characterized by their decorative surfaces, which are relatively hard and having resistance to wear, scratch, impact, boiling water, domestic stains and moderate heat, and classified as follows :

- ordinary high-pressure decorative laminate of less than 2 mm thickness having a single thin decorative surface to be bonded to substrate;
- compact high-pressure decorative laminate of thickness 2 mm or more having a single or double decorative surface(s).

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

ISO 4586-3 : 2018 *High-pressure decorative laminates (HPL, HPDL) — Sheets based on thermosetting resins (usually called laminates) — Part*