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**Protective clothing—Assessment of
resistance of materials to molten
metal splash**

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Foreword

This Japanese Industrial Standard has been established by the Minister of Health, Labour and Welfare and 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 Safety Appliances Association (JSAA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Protective clothing—Assessment of resistance of materials to molten metal splash

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 9185:2007**, Edition 2, with some modifications of the technical contents in consideration of convenience in usage.

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 a method for assessing the heat penetration resistance of materials intended for use in protective clothing to protect against splashes of molten metal. It covers the assessment of the effects of splashes of molten aluminium, molten cryolite, molten copper, molten iron and molten mild steel.

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

ISO 9185:2007 *Protective clothing—Assessment of resistance of materials to molten metal splash* (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

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 C 1602 *Thermocouples*

JIS G 3101 *Rolled steels for general structure*

JIS G 4051 *Carbon steels for machine structural use*

NOTE Corresponding International Standard: ISO 683-1 *Heat-treatable steels, alloy steels and free-cutting steels—Part 1: Non-alloy steels for quenching and tempering* (MOD)

JIS L 0105 *General principles of physical testing methods for textiles*

3 Terms and definitions

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