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Molding silica sand

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard 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 Japan Foundry Society, Inc. (JFSinc)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS G 5901**:1974 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Molding silica sand

1 Scope

This Japanese Industrial Standard specifies molding silica sand of clay content less than 2 % in mass fraction (hereafter referred to as "silica sand").

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 G 3555 *Woven wire cloth*

JIS M 8100 *Particulate materials — General rules for methods of sampling*

JIS M 8852 *Methods for chemical analysis of high-silica raw materials for ceramics*

JIS R 2212-1 *Methods for chemical analysis of refractory products — Part 1 : Fireclay refractories*

JIS R 2212-2 *Methods for chemical analysis of refractory products — Part 2 : Silica refractories*

JIS R 2216 *Methods for X-ray fluorescence spectrometric analysis of refractory products*

JIS Z 2601 *Methods for determining foundry molding sand properties*

JIS Z 8801-1 *Test sieves — Part 1 : Test sieves of metal wire cloth*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS Z 2601**, and the following apply.

3.1 natural silica sand

silica sand made by washing particles of natural silica sand with water

3.2 artificial silica sand

silica sand made by crushing quartzite or the like

3.3 clay content

aggregate of clay as mineral, soluble substances, and particles of diameter less than 20 μm separable by a specific method

3.4 fine particle

silica sand of particle size 20 μm or over up to and excluding 106 μm for size fractions 3