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(JEIA/JSA)

Rigid mica materials for electric heating equipment

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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 Electrical Insulating and Advanced Performance Materials Industrial Association (JEIA)/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 C 2254 : 1992** is replaced with this Standard.

This revision has been made based on **IEC 60371-3-3 : 1983** *Specification for insulating materials based on mica. Part 3 : Specifications for individual materials. Sheet 3 : Rigid mica materials for heating equipment* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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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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Rigid mica materials for electric heating equipment

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **IEC 60371-3-3** *Specification for insulating materials based on mica. Part 3 : Specifications for individual materials. Sheet 3: Rigid mica materials for heating equipment* published in 1983 without modification in technical contents, and some items not specified in the original International Standard have been additionally contained herein as Japanese Industrial Standard.

Portions given sidelines or dotted underlines are the matters in which contents of the original International Standard have been modified. A list of modifications with the explanations is given in annex (informative).

1 Scope This Standard specifies requirements for rigid mica materials based on mica splittings or mica paper for application of electric heating equipment. These products may be made from muscovite or phlogopite mica with a suitable bonding medium. The binder may be totally driven off in service, giving a material which needs to be supported, or may remain totally or partially, giving a self-supporting material; in this case, the binder shall have the necessary resistance to the operating temperature. The products may be supplied in sheets, stripes or flat pieces. The minimum nominal thickness is 0.30 mm (mica splittings) and 0.2 mm (mica paper).

Remarks : The International Standard corresponding to this Standard is given below.

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**.

IEC 60371-3-3 : 1983 *Specification for insulating materials based on mica. Part 3 : Specifications for individual materials. Sheet 3 : Rigid mica materials for heating equipment* (MOD)

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 2116 *Testing methods for electrical insulating mica products*

Remarks : **IEC 60371-2** *Specification for insulating materials based on mica. Part 2 : Method of test* is equivalent to the said standard.

JIS C 2250 *General rules for electrical insulating mica products*

3 Definitions For the purpose of this Standard, the definitions given in **JIS C 2250** apply.