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Bonded abrasives—Determination and designation of grain size distribution—Part 2: Microgrits

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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 established by 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 Grinding Wheel Association (GIS)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently, **JIS R 6001**:1998 and **JIS R 6002**:1998 have been withdrawn and partially replaced with this Standard.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.

JIS R 6001 series consists of the following 2 parts under the general title "*Bonded abrasives—Determination and designation of grain size distribution*":

Part 1: Macrogrits F4 to F220

Part 2: Microgrits

Bonded abrasives—Determination and designation of grain size distribution—Part 2: Microgrits

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 8486-2** published in 2007 modifying some of its technical contents to reflect the needs and conditions unique to Japan.

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 the size distribution of artificial abrasives (fused aluminium oxide and silicon carbide abrasives) specified in **JIS R 6111**, that are of microgrits from F230 to F2000, and #240 to #8000.

NOTE 1 This Standard is inapplicable to coated abrasives, and abrasive grains and abrasives used for loose grains.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 8486-2:2007 *Bonded abrasives—Determination and designation of grain size distribution—Part 2: Microgrits F230 to F2000* (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 K 8105 *Ethylene glycol (Reagent)*

JIS K 8150 *Sodium chloride (Reagent)*

JIS K 8295 *Glycerol (Reagent)*

JIS K 8891 *Methanol (Reagent)*

JIS R 6001-1 *Bonded abrasives—Determination and designation of grain size distribution—Part 1: Macrogrits F4 to F220*

NOTE : Corresponding International Standard: ISO 8486-1:1996 *Bonded abrasives—Determination and designation of grain size distribution—Part 1: Macrogrits F4 to F220* (MOD)