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GB/T 2480-2022

Replacing GB/T 2480-2008

Conventional abrasive - Silicon carbide

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Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020 *Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents*.

This document replaces GB/T 2480-2008 *Conventional abrasive - Silicon carbide*. Compared with GB/T 2480-2008, except for the structural adjustment and editorial revisions, the main technical changes are as follows:

- a) The scope of application is changed (see Chapter 1; see Chapter 1 of the 2008 edition);
- b) The grades are changed (see Chapter 4; see Chapter 3 of the 2008 edition);
- c) The chemical composition indexes are changed (see 5.1; see 4.1 of the 2008 edition);
- d) The density indexes are changed (see 5.3; see 4.2 of the 2008 edition);
- e) The magnetic substance content indexes are changed (see 5.5; see 4.5 of the 2008 edition);
- f) The content of J-series abrasive fine powder is added (see 5.1, 5.3, and Table 3);
- g) The requirements for marking, transportation, and storage are added (see Chapter 8).

Please note that some of the contents of this document may involve patents. The issuing agency of this document is not responsible for identifying patents.

This document was proposed by China Machinery Industry Federation.

This document shall be under the jurisdiction of the National Technical Committee on Abrasives of Standardization Administration of China (SAC/TC139).

Drafting organizations of this document: White Dove Abrasives Co., Ltd., Zigong Fengrui Abrasive Co., Ltd., Shandong Guanhua New Materials Co., Ltd., Pingdingshan Yicheng New Material Co., Ltd., China Machinery Industry International Cooperation Co., Ltd.

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The previous versions of the documents replaced by this document are as follows:

Conventional abrasive - Silicon carbide

1 Scope

This document specifies the grade, technical requirements, test methods, inspection rules, packaging, marking, transportation, and storage of silicon carbide abrasives.

This document applies to silicon carbide abrasives for manufacturing bonded abrasive tools, coated abrasive tools, and for free grinding, polishing, and cutting.

2 Normative references

The following documents contain the provisions which, through normative reference in this document, constitute the essential provisions of this document. For the dated referenced documents, only the versions with the indicated dates are applicable to this document; for the undated referenced documents, only the latest version (including all the amendments) is applicable to this document.

GB/T 2481(all parts) Bonded abrasives - Determination and designation of grain size distribution

GB/T 3045 Conventional abrasive - Chemical analysis of silicon carbide

GB/T 4676 Abrasive grains - Sampling and splitting

GB/T 9258(all parts) Coated abrasives - Grain size analysis

JB/T 6569 Conventional abrasive - Packing

JB/T 6570 Conventional abrasive - Testing method for magnetic materials

JB/T 11433 Conventional abrasive - Determination of density

3 Terms and definitions

There are no terms and definitions that need to be defined in this document.

4 Grades

The grades of silicon carbide abrasives are specified as follows:

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