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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 4513.8-2017

Monolithic (unshaped) refractory products -- Part 8: Determination of complementary properties

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Foreword

GB/T 4513 "amorphous refractory" includes the following eight sections.

--- Part 1. Introduction and classification;

--- Part 2. Sampling;

--- Part 3. Basic characteristics;

--- Part 4. Determination of fluidity of castables;

--- Part 5. Sample preparation and pretreatment;

--- Part 6. Determination of physical properties;

--- Part 7. Determination of preforms;

--- Part 8. Determination of special properties.

This section GB/T 4513 Part 8.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the redrafted law Amendment uses ISO 1927-8.2012 "amorphous refractory materials Part 8. Particular properties

Determination. "

This part of ISO 1927-8.2012 compared to the structural adjustment, Appendix A lists this part of the ISO 1927-8.2012

Chapter number control list.

This section there are technical differences compared with ISO 1927-8.2012, Appendix B lists this section and ISO 1927-8.2012

Technical differences and their causes list.

Please note that some of this document may be patentable. The issuing agencies of this document do not bear the responsibility of identifying these patents.

This part of the National Refractories Standardization Technical Committee (SAC/TC193) and focal point.

This part of the drafting unit. China Metallurgical Construction Research Institute Co., Ltd., Hunan Xiangtan Ruitai Technology Co., Ltd., Beijing Mastery refractory technology stocks

Co., Ltd., Jiaozuo Jinxin Hengtuo High Temperature Materials Co., Ltd., Gongyi City, the fifth refractory Plant.

1 Scope

GB/T 4513 provisions of this part of the amorphous refractory breathable, thermal shock resistance, thermal conductivity, resistance to sulfuric acid erosion, carbon-containing

Product performance, anti-carbon monoxide, room temperature wear resistance test methods and test reports.

Preparation of amorphous refractory sample preparation and storage methods in accordance with the provisions of GB/T 4513.5. This method is GB/T 4513.6

supplement.

This method is based on the standard refractory products revised form, suitable for GB/T 4513.1 provisions of the pre-roasting, after

The dense and insulating castables, Ramming material.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 3000 dense shaped refractory products air permeability test method (GB/T 3000-2016, ISO 8841.1991, MOD)

GB/T 4513.1 amorphous refractory materials - Part 1 Introduction and classification (GB/T 4513.1-2015, ISO 1927-1.2012,

MOD)

GB/T 4513.2 amorphous refractory part 2. Sampling (GB/T 4513.2-2017, ISO 1927-2.2012, IDT)

GB/T 4513.3 amorphous refractory materials - Part 3. Basic characteristics (GB/T

4513.3-2017, ISO 1927-3.2012,

MOD)

GB/T 4513.5 amorphous refractory - Part 5. Preparation and pretreatment of specimens (GB/T 4513.5-2017, ISO 1927-

5.2012, MOD)

Unshaped refractory materials - Part 6. Determination of physical properties (GB/T 4513.6-2017, ISO 1927-6.

2012, MOD)

GB/T 5990 refractory thermal conductivity test method (hot line method) (GB/T 5990-2006, ISO 8894-1.1987,

ISO 8894-2.1990, MOD)

GB/T 17601 Refractories resistance to sulfuric acid corrosion test (GB/T 17601-2008, ISO 8890.1988, MOD)

GB/T 17732 dense shaped carbon-containing refractory products test method (GB/T 17732-2008, ISO 10060.1993, MOD)

GB/T 18301 refractory materials at room temperature abrasion resistance test method (GB/T 18301-2012, ISO 16282.2007, MOD)

GB/T 29650 refractory carbon monoxide resistance test method (GB/T 29650-2013, ISO 12676.2000, MOD)

3.1 principle

This method should be carried out after the sample is dried or burned, roasting temperature and time to be negotiated by both parties to determine.

3.2 Sample

Use GB/T 4513.5 provisions A, B, C sample, and then follow the relevant sections for cutting, drilling, preparation, storage or roasting, the most