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**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 4513.2-2017**

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**Monolithic (unshaped) refractory products -- Part 2: Sampling  
for testing**

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## Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

### 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 2.

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

This section uses the translation method identical with ISO 1927-2:2012 "amorphous refractory materials Part 2. Sampling."

The documents of our country that are consistent with the corresponding international documents quoted in this part are as follows.

- GB/T 10325-2012 Shaped refractory products acceptance sampling inspection rules (ISO 5022:1979, NEQ);
- Bulk material acceptance sampling inspection program and sampling plan (ISO 10725:2000, MOD) --- GB/T 22555-2010.

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.

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## 1 Scope

GB/T 4513 provisions of this part of the test for unshaped refractory sampling terms and definitions, sampling programs, sample identification,

Packaging, storage and sampling reports.

This section applies to all materials amorphous refractory 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.

ISO 5022 Shaped refractory products Sampling and acceptance testing  
(Shapedrefractoryproducts-Samplingandacceptance  
testing

ISO 8656-1 Refractory products - Raw materials and amorphous materials - Part 1.  
Sampling (Refractoryproducts-Samplingof  
rawmaterialsandunshapedproducts-Part 1.Samplingscheme)

ISO 10725 bulk acceptance sampling inspection procedures and sampling programs  
(Acceptancesamplingplansandproceduresfor  
theinspectionofbulkmaterials)

## 3 Terms and definitions

The following terms and definitions apply to this document.

### 3.1

Batch batch

The number of products from which the test sample is taken to determine its quality.

Note. The same batch of product characteristics should include the same grade, composition, grade, and the same production conditions.

### 3.2

#### Delivery batch consignment

The quantity of material delivered once.

Note. A delivery lot can consist of one or more lots, or part of multiple lots.

### 3.3

#### Packaging unit unitpackage

A certain amount of material formed by packaging the smallest package. Can be a container bag, it can also be woven bags, paper bags, cans or cans.

Note. Simple temporary packaging is not a packaging unit.

### 3.4

#### Sample increment

The amount of material removed from a large batch of material at a time.

#### 3.4.1

##### Elementary composition

The amount of material extracted once from the packaging unit.