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ICS 81.060.30
CCS Q 32

JC

BUILDING MATERIALS INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JC/T 2757-2023

Test method for thermal diffusivity of fine ceramics - Laser flash method

精细陶瓷热扩散率试验方法 激光闪射法

(English Translation)

Issued on: December 20, 2023 **Implemented on: July 1, 2024**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/jc-t-2757-2023

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1 Foreword

JC/T 2757-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 July 2024.

The JC/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 7 pages in English translation.

2 Scope Preview

This standard specifies the laser flash method for determination of thermal diffusivity of fine ceramics. This standard is applicable to the determination of thermal diffusivity of homogeneous bulk ceramics with a porosity less than 10% in the temperature range from room temperature to 1700 K. When the density and other data of the measured material are known, its thermal conductivity value can also be measured at the same time.

JC/T 2757-2023 falls under ICS 81.060.30, in the field of glass and ceramics industries.

This catalogue holds 206 other JC/T standards in that field.

In this catalogue, JC/T standards carry edition years from 1973 to 2026.

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3 About this standard

Issued by: Ministry of Industry and Information Technology

English translation: about 7 pages

Chinese original: about 9,980 characters

4 Related standards

Standards on related subjects:

JC/T 848.1-2010 - Alumina grinding ball

GB/T 8489-2006 - Test method for compressive strength of fine ceramics (advanced ceramics, advanced technical ceramics)

GB/T 6569-2006 - Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for flexural strength of monolithic ceramics at room temperature

JC/T 2917-2025 - Zirconia toughened alumina ceramic composite lining board

JC/T 2906-2025 - Test method for wear of small-sized spherical ceramic grinding media - Stirred Mill Method

JC/T 2756-2023 - Ceramic grinding ball wear test method Vertical sand mill method

5 Classification and status

International classification (ICS): 81.060.30

Chinese Standard Classification (CCS): Q 32

Prefix JC/T: recommended standard.

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