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MACHINERY INDUSTRY STANDARD OF
THE PEOPLE'S REPUBLIC OF CHINA

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JB/T 10155-2012

Replacing JB/T 10155-1999

**Coated abrasives - Test method of the grinding
properties of abrasive cloth and abrasive paper**

涂附磨具 砂布砂纸磨削性能试验方法

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Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces JB/T 10155-1999 "Coated abrasives - Test method of the grinding properties of abrasive cloth and abrasive paper". Compared with JB/T 10155-1999, the main technical changes in this Standard are as follows:

- modified the type of abrasive cloth (see Table 1 of this Edition, Table 1 of Edition 1999);
- added the detailed regulations for grinding time (see Table 1 of this Edition).

This Standard was proposed by China Machinery Industry Federation.

This Standard shall be under the jurisdiction of National Technical Committee on Abrasives of Standardization Administration of China (SAC/TC 139).

The drafting organizations of this Standard: Zhengzhou Abrasives Grinding Research Institute.

Main drafters of this Standard: Zhong Yanzheng, Yang Songbin, Zhang Changwu.

This Standard was issued in 1999 for the first time. This is the first revision.

Coated abrasives - Test method of the grinding properties of abrasive cloth and abrasive paper

1 Scope

This Standard specifies the test method of the grinding properties of abrasive cloth and abrasive paper: test equipment, test conditions, specimen preparation, test procedures and processing of test results.

This Standard is applicable to abrasive cloth, abrasive paper and water-resistant abrasive paper.

2 Test equipment

2.1 Grinding properties tester

The grinding properties tester shall meet the following requirements:

- a) The grinding disc end face of the grinding properties tester does not run out much 0.05 mm;
- b) The grinding disc speed of the grinding properties tester is (320 ± 5) r/min;
- c) Grinding track: The ring inner diameter of the track is (87 ± 0.2) mm, and the ring width is (16.5 ± 0.4) mm.

2.2 Balance

The scale of the balance is 0.01 g.

2.3 Constant temperature water bath

The fluctuation of water temperature is $\pm 2^{\circ}\text{C}$.

3 Test conditions

The test conditions for the grinding properties of abrasive cloth and abrasive paper shall meet the requirements in Table 1.

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