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FZ

**TEXTILE INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

FZ/T 01028-2016

Replacing FZ/T 01028-1993

**Textiles--Burning behaviour--Determination of flame spread rate
of horizontally oriented specimens**

纺织品 燃烧性能 水平方向燃烧速率的测定 清晰版

(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces FZ/T 01028-1993 "Determination of Combustion Performance of Textile Fabrics", compared with FZ/T 01028-1993 the main technical changes are as follows.

- standard name changed to "textile combustion performance horizontal direction of the determination of burning rate";
- "GB/T 8629" has been added to Chapter 2 "Normative references";
- Change the "flame spread rate" term to "Burning rate";
- modified the formulation of Chapter 4, "Principles" and Chapter 5, "Health and Safety of Test Staff";
- a detailed description of the horizontal combustion chamber has been added (see 6.1.1);
- a detailed description and request for the specimen holder has been modified, and a sample holder with no heat-resistant metal mesh has been added (see 6.1.2);
- an increase in the description of the sample rack (see 6.1.3);
- modify the level of combustion test chamber diagram (see Figure 1);
- increase the level of combustion chamber size diagram (see Figure 2) and the collection disk size diagram (see Figure 3);
- modify the sample clip diagram (see Figure 4 and Figure 5);
- Change the standard size of the specimen from "350mm x 100mm" to "340mm x 100mm" (see 7.1.1). For the width less than 60mm specimen, length changed from "350mm" to "340mm" (see 7.1.2.1);
- Add the diagram in the schematic diagram of the test equipment "Tolerance reference

GB/T 1804";

- increased "if necessary, tested for post-wash burning performance" and given the washing procedure requirements (see 7.5);

- 8.1 in the original standard "test procedure" as a separate chapter;

- increased the "Note 1" and "Note 2" of 9.2;

- increased by 9.5.

This standard is proposed by China Textile Industry Federation.

This standard by the National Textile Standardization Technical Committee of the basic standard sub-technical committee (SAC/TC209/SC1) centralized.

The main drafting unit of this standard. China Textile Standard (Beijing) Inspection and Certification Center Co., Ltd., Shishi City Cheung Che-hung textile limited liability company, Laizhou City Electronic Instrument Co., Ltd.

1 Scope

This standard specifies the test method for the determination of the combustion performance of the horizontal fabric using the bottom edge ignition.

This standard applies to all kinds of fabrics and their products.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 6529 Standard atmosphere for textiles for humidity control and testing Washing and drying procedures for home textiles for testing GB/T

3 Terms and definitions

The following terms and definitions apply to this document.

Flame spread time

Under the specified test conditions, the flame in the burning material to expand a certain distance required time.

Burning rate flamespreadrate; rateofflamespread Under the specified test conditions, the distance between the flame front and the expansion of the flame per unit time.

[GB/T 14644-2014, definition 3.2]

4 Principle

Under the specified conditions, the bottom of the sample placed on the bottom of the sample ignition, after a certain ignition time, the measurement of the flame spread distance and the flame spread time, calculate the burning rate.

5 The health and safety of the test personnel the burning of textiles may produce aerosols and toxic gases that affect the health of the operator, and the test personnel are required to wear a gas mask. Can be Test equipment installed in the fume hood, after each test should be excluded from smoke and smoke, but in the process of burning the sample to close the ventilation system, so as not to Affect the test results.