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

FZ/T 75005-2018

Replacing FZ/T 75005-1994

**Coated fabrics - Determination of dimensional changes on
mechanical relaxation at zero tension**

涂层织物 在无张力下尺寸变化的测定 清晰版

(English Translation)

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Foreword

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

This standard replaces FZ/T 75005-1994 "Determination of Dimensional Change of Coated Fabrics Under No Tension". With FZ/T 75005-1994 Compared with the main technical changes as follows.

---GB 8170 was deleted from Chapter 2, and the reference document GB 6529 was adjusted to GB/T 6529 (see Chapter 2);

---Improved the test principle of Chapter 3 (see Chapter 3);

---Clarified the type of measuring ruler in 4.1 (see 4.1);

--- Deleted Chapter 5 "Arbitrary Tests Should Use Secondary Standard Atmosphere" (see Chapter 5 of 1994 Edition);

---Added the mark of the unit in the schematic diagram of the measurement mark (see Figure 1);

---Adjusted Chapter 6 test procedures (see 6.2 and 6.3, 1994 version of 6.2, 6.3 and 6.4);

--- 7.1.2 The calculation formula for the longitudinal and transverse dimensional change rate of the sample before and after humidity control is added (see 7.1.2);

--- The calculation formula for the average value of test results in 7.2 is deleted (see 7.2 in the 1994 edition).

This standard was proposed by the China National Textile and Apparel Council.

This standard is under the jurisdiction of the Basic Standards Subcommittee of the National Textile Standardization Technical Committee (SAC/TC209/SC1).

Drafting organizations of this standard. China Textile Standard (Shenzhen) Testing Co., Ltd., Shenzhen Changshuo New Textile Material Co., Ltd., Textile Industry Standardization Research Institute, China Textile New Material Technology Co., Ltd.

1 Scope

This standard specifies the test method for the longitudinal and transverse dimensional changes of coated fabrics under no tension.

This standard applies to all kinds of coated fabrics in rolls.

2 Normative references

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

GB/T 6529 Standard atmosphere for textile humidity control and testing

3 Principle

Select the two samples at the head and tail ends of the coated fabric to be tested. Make several pairs of marking points on each section of the sample, and measure separately under specified conditions the distance between each pair of mark points before and after the humidity control is calculated, and the dimensional change rate of the sample under no tension is obtained by calculation.

4 Equipment and tools

4.1

Straightedge or steel tape, scaled in millimeters, its length is greater than the maximum size measured.

4.2

Marking tools, such as non-fading ink, fabric marking printer, etc.

4.3

Smooth the test bench, the table surface is clean, level, and smooth, and the length and width are suitable for the sample to be fully spread.

5 Atmosphere for humidity control and test

The humidity control and test of the sample are carried out under the standard atmospheric conditions specified in GB/T 6529.

6.1 Sampling

6.1.1

Place the rolled fabric on the reel at room temperature and natural conditions for 24 hours before sampling.

6.1.2

The sample should be unaffected by external pressure, without damage, scratches, loose edges, tight edges and contamination.

6.1.3

Take a section of sample from the head end and the tail end of the package fabric, each section of the sample length is more than 5m.

6.2 Marking and measurement of cut samples

6.2.1

Spread the head end sample flat on the test bench, being careful not to apply tension to the sample. The base fabric of the single-sided coated fabric is placed facing up. Stand up that is, make a mark on the surface of the fabric, as shown in Figure 1. Three sets of marks are made on the left, middle and right (AD, BE, CF) longitudinally, each with a distance of 2000mm (There is no marking within 2m of the head and tail, and no marking within 50mm of the cloth edge). Measure and record the longitudinal direction of the sample (three groups of AD/BE/CF), the distance between the horizontal (two AC/DF) marks is taken as the original mark size, and the reading is 0.5mm.