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FZ

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

FZ/T 10013.2-2011

Replacing FZ/T 10013.2-1999

**Corrected method for breaking strength of pure and blended
products of cotton, chemical fibres to temperature and regain.
Corrected method for breaking strength of grey fabrics**

温度与回潮率对棉及化纤纯纺、混纺制品断裂强力的修正方法 本色布断裂强力的
修正方法 清晰版

(English Translation)

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Foreword

FZ/T 10013 "Temperature and moisture regain of cotton and chemical fiber spinning pure, blended products powerful fault correction method" is divided into three parts.

- Strong correction method of dyeing yarn qualities and line break;
- Gray fabric breaking strength of the correction method;
- Printing and dyeing cloth breaking strength of correction method.

This section FZ/T 10013 Part 2.

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

This part of FZ/T 10013.2-1999 "Temperature and moisture regain of cotton and chemical fiber spinning pure, blended products breaking strength amendments party Amendment Act gray fabric breaking strength of the correction method ", the main changes the following.

- Of a strong correction coefficient amended editorial.

This part is proposed by the China Textile Industry Association.

This part of the National Technical Committee of Standardization Technical Committee printing and dyeing cotton textiles (SAC/TC209/SC2) centralized.

This section is drafted. Shanghai textile industry technical supervision, Lu Feng Textile Co., Ltd., China Textile Industry Association, Shanghai service Loaded Institute.

1 Scope

FZ/T 10013 provisions of this part of the temperature and moisture regain strong correction method for cotton and chemical fiber spinning pure, blended gray fabric fracture, and it gives the breaking strength of the correction coefficient under different temperature conditions and moisture regain.

This section applies to cotton gray fabric, cotton and chemical fiber blended gray fabric, chemical fiber gray fabric, chemical fiber and chemical fiber blended gray fabric and canvas

in a non-standard Under atmospheric conditions or under conditions of quasi-equilibrium time does not meet the standard requirements of the measured breaking strength of the correction.

This section does not apply to other raw materials woven gray fabric.

Principle 2

2.1 under various conditions of temperature and moisture regain measured gray fabric breaking strength, in terms of relationships and correction coefficient values provided in this section, Calculate the equivalent gray fabric rupture strength under standard atmospheric conditions, namely gray fabric amendment strength.

2.2 various correction coefficient value system powerful data measured according to various gray fabric in different temperature and humidity conditions, with most mathematical statistics ---Small squares, calculate the temperature and moisture regain two factors on the strength of the relationship between gray fabric breaks, get the temperature and moisture regain of gray fabric breaking strength Correction coefficient values.

3 Conversion relationship

Fixed broken gray fabric of gray fabric strength and breaking strength measurement, the conversion relation correction coefficient see equation (1), excluding decimal calculations, take Integer.

$$P_0 = K \times P \quad (1)$$

Where.

Correction strength P_0 --- qualities of cloth (equivalent under standard atmospheric conditions gray fabric breaking strength), in Newtons (N);

P --- in non-standard atmospheric conditions measured gray fabric breaking strength, in Newtons (N);

K --- Temperature and moisture regain of gray fabric breaking strength of the correction factor.

4 Conversion method

Step 4.1

According to the test method specified in 4.1.1, obtain gray fabric breaking strength measured value P , in Newtons (N), and record the sample at this time at ambient temperature t in degrees Celsius ($^{\circ}\text{C}$).

4.1.2

in accordance with a prescribed method, measure the qualities of cloth regain value W (%).

4.1.3

according to the temperature value t measured the resulting gray fabric gray fabric moisture regain value W and breaking strength test, the look-up table is obtained gray fabric off Crack strong correction coefficient K , see Appendix A.

4.1.4

After the resultant gray fabric breaking strength of the correction coefficient K value and the measured breaking strength value P is substituted into the formula (1) can be corrected