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

FZ/T 12015-2020

Replacing FZ/T 12017-2016; FZ/T 12015-2016

**Natural color cotton yarn and mixture of natural color cotton
yarn**

(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 12015-2016 "Combed Natural Colored Cotton Yarn", FZ/T 12017-2016 "Natural Colored Cotton Rotor Spinning" yarn. Compared with FZ/T 12015-2016 and FZ/T 12017-2016, the main technical changes are as follows.

---Expanded the scope of application of the standard;

---Adjusted product classification and marking;

---Technical requirements are based on natural colored cotton yarn and natural colored cotton yarn, ring spinning and rotor spinning, combing and carding, yarn and thread Start an assessment;

---Improved the assessment index of single yarn breaking strength and single yarn breaking strength variation coefficient, and increased the assessment index of 100,000 meters of first-class yarn defects.

The fiber content deviation assessment item is adjusted to the fiber content deviation;

---Deleted the sampling regulations and the digital rounding regulations of calculated values (see Table 4 and Table 5 in the 2016 edition);

---The original standard Appendix A was deleted, and the original standard Appendix B was adjusted to the current standard Appendix A.

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

This standard is under the jurisdiction of the Cotton Textile Subcommittee of the National Textile Standardization Technical Committee (SAC/TC209/SC10).

Drafting organizations of this standard. China Color Cotton (Group) Co., Ltd., Shanghai Textile Industry Technology Supervision Institute, Anhui Yuhua Textile Co., Ltd.

Company, Blum Oriental Co., Ltd., Foshan China Textile Inspection Technology Service Co.,

Ltd., Zhejiang Chunjiang Textile Group Co., Ltd., China Cotton Textile Industry Association.

1 Scope

This standard specifies the terms and definitions, product classifications, markings, requirements, test methods for natural colored cotton yarns and natural colored cotton yarns.

Laws, inspection rules, signs, packaging, storage and transportation.

This standard applies to natural colored cotton yarns and yarns containing natural colored cotton produced by ring spinning and rotor spinning. It does not apply to natural colored cotton yarns for special purposes.

Colored cotton yarn and natural colored cotton yarn.

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 reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 250 Gray Sample Card for Textile Color Fastness Test to Evaluate Discoloration GB/T 2543.1 Determination of Twist of Textile Yarn Part 1: Direct Numbering Method GB/T 3292.1 Textile yarn unevenness test method Part 1: Capacitance method GB/T 3916 Determination of breaking strength and breaking elongation of single yarn of textile package yarn (CRE method) GB/T 4743-2009 Determination of the linear density of the skein of the textile package yarn GB/T 8170 Numerical rounding rules and the expression and determination of limit values GB/T 20393-2006 General technical requirements for natural colored cotton products and products containing natural colored cotton FZ/T 01050 Classification and Inspection Method of Textile Yarn Defects Capacitive Type FZ/T 10007 Cotton and chemical fiber pure spinning, blended natural yarn inspection rules FZ/T 10008 Cotton and chemical fiber pure and blended yarn marking and packaging

3 Terms and definitions

The following terms and definitions defined in GB/T 20393 apply to this document.

Natural color cotton yarn A pure cotton yarn with a natural color cotton fiber and natural color cotton fiber blending, and the natural color cotton fiber content is 50% and above.

Containing natural color cotton yarn mixture of natural color cotton yarn A pure cotton yarn that is spun by a mixture of natural colored cotton fibers and natural colored cotton fibers, and the content of natural colored cotton fibers is less than 50%.

4 Product classification and marking

4.1

Natural colored cotton yarn and products containing natural colored cotton yarn are classified according to different production processes, blending ratios and linear densities.

4.2

The production process of natural colored cotton yarn and natural colored cotton yarn is divided into ring spinning and rotor spinning. Ring spinning includes traditional ring spinning.

Spinning, Siro spinning, compact spinning and Siro compact spinning.

4.3

The production process and raw material codes of natural colored cotton yarns and natural colored cotton yarns are expressed in English letters. Siro spinning code is