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

FZ/T 12005-2020

Replacing FZ/T 12005-2011

**Carded polyester and cotton blended natural 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 12005-2011 "Carded polyester and cotton blended natural yarn", compared with FZ/T 12005-2011, the main technical the technical changes are as follows.

---Chapter 3 classification and marking have been revised, and the linear density of carded polyester and cotton blended natural yarns has been deleted (see the 2011 edition of the 3.1.2);

--- Re-divided the polyester content range and nominal linear density range of each table (see Table 1~Table 6, Table 1~Table 8 in the 2011 edition);

---Single yarn technical requirements delete the evenness of the black sliver, the number of black neps, the total number of black neps, the details (-50%), and thick knots (50%) and other indicators (see Table 1, Table 3, Table 5, Table 1, Table 3, Table 5, Table 7 in the 2011 edition);

---The technical requirements of the strands are to increase the index of variation coefficient of twist, delete the number of blackboard neps, the total number of blackboard neps and other indicators (see

Table 2, Table 4, Table 6, 2011 edition, Chapter 2, Table 4, Table 6, Table 8);

---Adjusted "linear density variation coefficient", "single yarn (thread) breaking strength", "single yarn (thread) breaking strength variation coefficient", and "evenness of evenness" "Coefficient of Variation", "Kilometer Neps (200%)", "One Hundred Thousand Meters of Yarn Defect" assessment indicators (see Table 1~Table 6, 2011 Edition Table 1~Table 8);

---Deleted the sampling regulations and the digital rounding regulations for calculated

values (see Table 9, Table 10, and Table 11 in the 2011 edition);

--- Delete the original standard informative appendix B and informative appendix C.

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).

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1 Scope

This standard specifies the classification, marking, requirements, test methods, inspection rules and standards of polyester (cotton fiber) and cotton blended natural yarn products.

Chi, packaging.

This standard applies to carded polyester and cotton blended natural yarns produced by ring spinning, and does not apply to carded polyester and cotton blended natural yarns for special purposes.

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

GB/T 2543.1 Determination of yarn twist in textiles Part 1: Direct counting method GB/T 2910.11 Quantitative Chemical Analysis of Textiles Part 11: Mixture of Cellulose Fiber and Polyester Fiber (Sulfuric Acid 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 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 Product classification and marking

3.1

Carded polyester and cotton blended natural yarns are classified according to different blending ratios and linear densities.

3.2

The raw material code of carded polyester and cotton blended natural yarn, polyester is T and cotton is C.

3.3

The blending ratio of the product is expressed by the public mass ratio, which is generally listed in descending order of fiber content. When the content of the two fibers is the same, the fiber content is the arrangement order can be arbitrary.

3.4

When marking carded polyester and cotton blended natural yarns, the raw material name (or code) of the yarn and its blending ratio shall be indicated before the line density. specific Indicates see example.

Example 1.

Carded polyester and cotton blended natural yarn density is 18.5tex, polyester content is 65%, cotton content is 35%, it should be written as T/C65/3518.5tex.

Example 2.

Carded polyester and cotton blended natural yarn density is 18.5tex, polyester content is 45%, cotton content is 55%, it should be written as C/T 55/4518.5tex.

4.1 Project

4.1.1

The requirements for carded polyester and cotton blended natural yarns include linear density deviation rate, linear density variation coefficient, single yarn breaking strength, single yarn breaking strength Eight indicators of force variation coefficient, evenness variation coefficient, kilometer neps (200%), 100,000-meter yarn defect and fiber content deviation.