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

FZ/T 42002-2021

**Mulberry spun silk 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 42002-2010 "Mulberry Silkworm Silk" and FZ/T 42003-2011 "Cylinder Mulberry Silk Silk".

Compared with FZ/T 42002-2010, the main technical changes of this standard are as follows.

- The scope of application has been increased "twisted strands with a linear density ranging from 50Nm/2 (200.0dtexx2) to 270Nm/2 (37.0dtexx2) Packed or tube-packed mulberry silk", clarified that this standard is also applicable to tube-packed mulberry silk (see Chapter 1, Chapter 1 of the 2010 edition);
- Modified the terms and definitions of "explicit inspection items" (see 3.1, 3.1 in the 2010 edition);
- The explanation of fineness has been deleted (see 4.1 in the 2010 edition);
- Change the nominal fineness to the nominal linear density (see 4.1, 4.2 in the 2010 edition);
- Change the breaking length to breaking strength (see 6.2.1 Table 2, 2010 edition 5.4);
- Added the classification and remarks of the appearance defect of mulberry silk yarn (see 6.2.3.1 and 6.2.3.2);
- Revised the appearance quality rating regulations of twisted mulberry silk (see 6.4.5.1);
- Added the requirements for the appearance quality evaluation of tube-packed mulberry silk (see 6.4.5.2);

- Take the practice reduction rate as the selection test item (see 8.2.1.4);
- Deleted the calculation content of the standard dry weight and measured moisture regain weight of mulberry silk (see 8.2 in the 2010 edition);
- Added the packaging requirements for tube-packed mulberry silk (see Chapter 9);
- Move the standard quality calculation method of mulberry silk into the appendix (see appendix A).

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

This standard is under the jurisdiction of the National Silk Standardization Technical Committee (SAC/TC401).

Drafting organizations of this standard. Jiangsu Susi Silk Co., Ltd., Zhejiang Silk Technology Co., Ltd., Zhejiang Golden Eagle Spun Silk Co., Ltd., Zi Boda Dyefang Silk Group Co., Ltd., Sichuan Antai Cocoon Silk Group Co., Ltd., Dali Silk (Zhejiang) Co., Ltd., Shaoxing Miaomeng Culture Creative Co., Ltd., Hangzhou Customs Technology Center, Zhejiang Institute of Standardization, Zhejiang Xidebao Silk Technology Co., Ltd., Liaoning Caiyi Wild Silkworm Silk Products Co., Ltd.

1 Scope

This standard specifies the terms and definitions, marking, linear density classification, requirements, test methods, inspection rules, packaging and marking of mulberry silk Numerical rounding.

This standard applies to double strands with singeing linear density ranging from 50Nm/2 (200.0dtexx2) to 270Nm/2 (37.0dtexx2) Twisted or tube-packed mulberry silk.

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 250 Gray Sample Card for Textile Color Fastness Test Evaluation GB/T 8170 Numerical rounding rules and the expression and determination of limit values GB/T 8693 Labeling of textile yarn FZ/T 40003-2021 Mulberry silk silk test method

3 Terms and definitions

The following terms and definitions apply to this document.

Explicittestitem

Not as a basis for grading, but it needs to be indicated on the inspection report to provide users with relevant quality information inspection items.

Select the test item optionaltestitem There is no setting in the standard assessment requirements, but sometimes it should be an item that users need to inspect.

4.1 Nominal linear density

The nominal linear density of double-strand mulberry silk yarn is expressed as the nominal number of single strands/2 (nominal number of single strands x 2).

Example. 100 double-stranded spun silk is represented by 100Nm/2 (100dtexx2).

4.2 Twist direction

The twisting direction of mulberry silk yarn shall be implemented in accordance with the regulations of GB/T 8693.

5 Linear density binning

The thread density of mulberry silk is divided into three grades. high count, medium count, and low count. The regulations are shown in Table 1.