

ICS 59.080.20  
CCS W 22

**FZ**

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

**FZ/T 22005-2019**

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**Semi-worsted wool woven yarn**

半精纺毛机织纱线 清晰版

**(English Translation)**

**Issued on: January 1, 1970**

**Implemented on: July 1, 2020**

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**Issued by: Ministry of Industry and Information Technology of the  
People's Republic of China**

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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 22005-2008 "Semi-worsted Wool Woven Yarn", and the main technical changes compared with FZ/T 22005-2008 as follows.

--- Modified the scope of application of the standard and deleted the limitation of the type of raw fiber (see Chapter 1, Chapter 1 of the 2008 edition);

--- Adjusted normative references (see Chapter 2, Chapter 2 of the 2008 edition);

--- Modified the definition of semi-worsted wool woven yarn (see 3.1, 3.1 in 2008 version);

--- Modify the grades to be superior, first-class, and qualified (see 4.2, 4.2 in the 2008 edition);

--- Modify the expression of the evaluation grade of intrinsic quality and classify the fiber content into physical indicators (see 4.3.1, 4.3.1 of the 2008 edition);

--- Modify the evaluation level of the physical indicators in Table 1 (see Table 1, Table 1 of the 2008 edition).

- Modify the tolerance of fiber content according to GB/T 29862, delete the relevant remarks;

- Revise the twist deviation rate, change the original  $\pm 4.0\%$  of the excellent yarn to  $\pm 3.5$ , the original  $\pm 5.0$  the first grade to  $\pm 4.5$ , the original second grade  $\pm 6.0$  changed to qualified product  $\pm 5.5$ ; single yarn superior grade original  $\pm 6.0$  changed to  $\pm 4.0$ , first grade original  $\pm 7.0$  changed to  $\pm 5.0$ , original second grade, etc.

Product  $\pm 8.0$  changed to qualified product  $\pm 6.0$ ;

- Modified the twist variation coefficient, the original quality of the strand is  $\leq 11.0$  changed to  $\leq 9.0$ , the original of the first grade  $\leq 12.5$  changed to  $\leq 11.0$ , the original two Changed product quality  $\leq 14.0$  to qualified product  $\leq 12.5$ ; single yarn premium product original  $\leq 13.0$  changed to  $\leq 11.0$ , first-class product original  $\leq 15.0$  changed to  $\leq 13.0$ , the

original second-class product  $\leq 17.0$  was changed to qualified product  $\leq 15.0$ ;

--- Modify the evaluation level of color fastness in Table 2 (see Table 2, Table 2 of the 2008 edition).

- Modify the color change of dry cleaning, washing, acid and alkali perspiration resistance, water fastness to water, the staining of the lining is expressed as discoloration, staining, modification the color fastness to dry cleaning solvent is the color fastness;

- Delete the original remarks about the choice of interlining for wool blended products and non-wool fiber pure or blended products;

- Modify the color fastness to wet rubbing, the original second-class products  $\geq 2$  grades to qualified products  $\geq 2-3$  grades;

- Add Note 1, Note 2, Note 3;

--- Increase the color difference of the appearance quality and the corresponding test method (see 4.4.2, 5.2.14);

--- Modify the test method (see Chapter 5, Chapter 5 of the 2008 edition).

- Provisions for increasing the number of tests (see 5.1.5);

- Delete the abolished standard in the fiber content test method, and delete the provisions equivalent to the calculation of the official moisture regain (see the 2008 edition) 5.2.4);

- Modify the test method of linear density deviation rate, linear density variation coefficient, average breaking strength of single yarn and yarn surface defects the date of citing the standard (see 5.2.3, 5.2.5, 5.2.12, 2008 editions 5.2.1, 5.2.3, 5.2.12);

- Removed the test method for the coefficient of variation of the uniformity of strips (see 5.2.11 of the 2008 edition);

--- Modify the expression of judgment and acceptance (see Chapter 6, Chapter 6 of the 2008 edition);

--- Delete the original Appendix A.2 (see Appendix A.2 of the 2008 edition);

--- Delete the original Appendix C (see Appendix C of the 2008 edition).

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

This standard is under the jurisdiction of the National Textile Standardization Technical Committee Woolen Textile Branch (SAC/TC209/SC3).

## 1 Scope

This standard specifies the terms and definitions, technical requirements, test methods, inspection rules, packaging and marking of semi-worsted woven yarns.

This standard is applicable to identify the quality of various semi-worsted wool woven yarns.

## 2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article. For the cited documents without date, the latest version (including all amendments) applies to this document.

GB/T 250 Gray sample card for textile color fastness test to evaluate discoloration GB/T 2543 (all parts) Textile yarn twist determination GB/T 2910 (all parts) quantitative chemical analysis of textiles GB/T 3920 Color fastness test for textiles Color fastness to rubbing GB/T 3922 Textile color fastness test Color fastness to perspiration GB/T 4841.3 Standard depth color card for dyeing with dyes 2/1, 1/3, 1/6, 1/12, 1/25 GB/T 5706-1985 Textile terminology (gross part) GB/T 5711 Color fastness test of textiles GB/T 5713 Textile color fastness test Water fastness GB/T 8427-2008 Textile color fastness test Color fastness to artificial light. Xenon arc GB/T 9994 The official moisture regain rate of textile materials GB/T 12490-2014 Textile color fastness test color fastness to household and commercial washing GB/T 16988 Determination of the content of special animal fiber and sheep wool mixture GB 18401 National Textile Product Basic Safety Technical Code GB/T 29862 Identification of textile fiber content GB 31701 Technical Specifications for Safety of Textile Products for Infants and Children FZ/T 01026 Quantitative Chemical Analysis of Textiles Multicomponent Fiber Mixture FZ/T 01050 Textile yarn defect classification and inspection method capacitive FZ/T 01057 (all parts) Textile fiber identification test method FZ/T 01095 Test method for fiber content of textile spandex products FZ/T 20002 Determination of oil content of wool textiles FZ/T 20017-2010 wool yarn test method

## 3 Terms and definitions

The following terms and definitions apply to this document.

Yarn spun by a semi-combed spinning system designed for weaving.