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**FZ**

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

**FZ/T 73016-2020**

Replacing FZ/T 73016-2013

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**Knitted thermal underwear flake type**

针织保暖内衣 絮片型

**(English Translation)**

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### Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This part replaces FZ/T 73016-2013 "Knitted thermal underwear flake type". Main technology compared with FZ/T 73016-2013 the changes are as follows.

- Modified the scope of application of the standard (see Chapter 1, Chapter 1 of the 2013 edition);
- Adjusted the normative reference documents (see Chapter 2, Chapter 2 of the 2013 edition);
- Added the definition of flake-type products (see Chapter 3);
- Added the labeling principle of out-of-range numbers (see Chapter 4);
- Deleted the assessment indicators of bursting strength (2013 version 4.3.1 Table 1);
- Modified the assessment criteria for fiber content (see 5.2.1 Table 1, 2013 version 4.3.1 Table 1);
- Adjust the evaluation index of the washing size change rate (see 5.2.1 Table 1, 2013 version 4.3.1 Table 1);
- Increase the evaluation index of appearance quality after washing (see 5.2.1 Table 1);
- Increase the assessment indicators of filling quality (see 5.2.1 Table 1);
- Added the description of the assessment requirements for the color fastness of natural and bleached products (see 5.2.4);
- Add description of children's product assessment requirements (see 5.2.5);
- The assessment requirements for sewing defects have been added (see 5.3.1.1);
- Modified the division basis of the specification size deviation index and adjusted the index requirements (see 5.3.2 Table 3, 2013 version 4.4.5 Table 3);
- Added raw material regulations (see 5.3.5);

- Modified the content of internal quality judgment (see 8.1.1, 6.2 of the 2013 edition);
- Added result judgment, single piece judgment and others (8.1.3, 8.2 and 8.3);
- Modified the quotation regulations of children's product instructions (see 9.1, 7.1 of the 2013 edition).

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

This standard is under the jurisdiction of the Knitwear Branch of the National Textile Standardization Technical Committee (SAC/TC209/SC6).

The main drafting units of this standard. Tianfang Standard Testing and Certification Co., Ltd., Fujian Fengzhu Textile Technology Co., Ltd., Hengyuanxiang Group) Co., Ltd., Ningbo Daqian Textile Co., Ltd., Guangdong Aolinong Underwear Group Co., Ltd., Gold Rabbi Maternity, Baby and Child Products Co., Ltd.

Company, Zhejiang Baonas Socks Co., Ltd., Arctic Velvet (Shanghai) Industrial Development Co., Ltd., Tianfang Standard (Guangdong) Testing Technology Co., Ltd., Shanghai Shenglis Clothing Co., Ltd., Tianfang Standard (Shanghai) Testing Technology Co., Ltd., Guangdong Xinyi Underwear Technology Co., Ltd.

## 1 Scope

This standard specifies the terms and definitions, product numbers, requirements, test methods, judgment rules, and product use for flake-type knitted thermal underwear Description, packaging, transportation and storage.

This standard applies to flake-type knitted thermal underwear products with an insulation rate of 45% and above.

Not applicable to infant clothing aged 36 months and below.

## 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 1335 (all parts) clothing size GB/T 2910 (all parts) Quantitative chemical analysis of textiles GB/T 2912.1 Textiles-Determination of formaldehyde-Part 1: Free and hydrolyzed formaldehyde (water extraction method) GB/T 3920 Textile color fastness test color fastness to rubbing GB/T 3921-2008 Textile color fastness test color fastness to soaping GB/T 3922 Textile color fastness test Color fastness to perspiration GB/T 4802.1-2008 Determination of pilling performance of textile fabrics Part 1: Circular locus method GB/T 4856 Knitted cotton fabric packaging GB/T 5296.4 Instructions for Use of Consumer Products Part 4: Textiles

and Clothing GB/T 5713 Textile color fastness test color fastness to water GB/T 6411 Knitted underwear specification size series GB/T 6529 Standard atmosphere for textile humidity control and testing GB/T 7573 Determination of pH value of textile water extract GB/T 8629-2017 Household washing and drying procedures for textile testing GB/T 8878 Cotton knitted underwear GB/T 12704.1-2009 Textile fabric moisture permeability test method Part 1: Moisture absorption method GB/T 16988 Determination of the content of the mixture of special animal fiber and sheep wool GB/T 17592 Determination of banned azo dyes in textiles GB 18401 National Basic Safety Technical Code for Textile Products GB/T 29862 Labeling of textile fiber content GB 31701 Safety Technical Specification for Infant and Children's Textile Products GB/T 38015 Quantitative Chemical Analysis of Textiles Blends of Spandex and Certain Other Fibers FZ/T 01026 Textile Quantitative Chemical Analysis Multi-component Fiber Mixture FZ/T 01057 (all parts) Textile fiber identification test method FZ/T 01101 Textile fiber content determination physical method GSB16-1523 Knitted fabric pilling sample photo GSB16-2159 Standard Depth Sample Card for Knitted Products (1/12)