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

FZ/T 73022-2019

Knitted thermal underwear

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(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

Foreword

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

This standard replaces FZ/T 73022-2012 "Knitted Thermal Underwear". Compared with FZ/T 73022-2012, the main technical changes are as follows.

- Modified the scope of application of the standard. used to identify the quality of knitted thermal underwear products with a thermal insulation rate of 30% or more;
- Added the relevant provisions of the mandatory standard GB 31701 for infants, children and children's products;
- Modify the fiber content implementation standards (see 4.3.1);
- Modified the index of water washing size change rate (see 4.3.1);
- Modified the color fastness index of washing resistance (see 4.3.1);
- Modify the color fastness index of soaping resistance (see 4.3.1);
- Modify the color fastness index of perspiration resistance (see 4.3.1);
- Modify the color fastness index of rubbing resistance (see 4.3.1);
- Incorporate the color fastness to soaping and the color fastness to rubbing of the printed and non-printed parts (see 4.3.1);
- Modified the surface defect regulations (see 4.4.2);
- Modified sewing regulations (see 4.4.6);
- Modify the fiber content test method (see 5.2.2);
- Modified the provisions of air permeability (see 5.2.8);
- Changed the judgment rules (see Chapter 7);
- Modified product instructions, packaging, transportation and storage (see 8.2, 8.3, 8.4, 7.2 of the 2012 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 Knitwear Branch (SAC/TC209/SC6).

The main drafting units of this standard. Tianfang Standard Testing and Certification Co., Ltd., Shanghai Palanduo Textile Technology Development Co., Ltd., Wuhan Ai Emperor Knitting Industry Co., Ltd., Shanghai Sanqiang (Group) Co., Ltd., An Lifang (China) Clothing Co., Ltd., Aim Co., Ltd., Ningbo Daqian Textile Co., Ltd., Beijing Tongniu Group Co., Ltd., Guangdong Aolinong Underwear Group Co., Ltd., Qingdao Jifa Group Co., Ltd., Zhejiang Wanyu Knitting Co., Ltd., Guangdong City Liren Industrial Co., Ltd., Zhejiang Langsha Underwear Co., Ltd.

Co., Ltd., Arctic Velvet (Shanghai) Textile Technology Development Co., Ltd., Wuxi Hongdou Home Clothing Co., Ltd., Lilang (China) Co., Ltd., Tianfangbiao (Shenzhen) Testing and Certification Co., Ltd., Jiangsu AB Group Co., Ltd., Shenzhen Quanmian Times Technology Co., Ltd., Regent Virginie Underwear (Shenzhen) Co., Ltd. and Guangdong Xinyi Underwear Technology Co., Ltd.

1 Scope

This standard specifies the product type, requirements, test methods, sampling rules, judgment rules, product instructions and packaging for knitted thermal underwear.

Transport and storage.

This standard is applicable to the identification of the quality of thermal underwear products made of knitted fabrics with a thermal insulation rate of 30% or more.

This standard does not apply to flake thermal underwear products.

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 Pieces. For the cited documents without date, the latest version (including all amendments) applies to this document.

GB/T 2910 (all parts) quantitative chemical analysis of textiles GB/T 2912.1 Determination of formaldehyde in textiles Part 1. Free hydrolysis GB/T 3920 Color fastness test for textiles Color fastness to rubbing GB/T 3921-2008 Textile color fastness test soap fastness color fastness GB/T 3922 Textile color fastness test Color fastness to perspiration GB/T 4802.1-2008 Textile fabrics Determination of pilling properties Part 1. Circular locus method GB/T 4856 Needle cotton packaging GB/T 5296.4 Instructions for use of consumer products Part 4. Textiles and clothing GB/T 5453 Determination of breathability of textile fabrics GB/T 5713 Textile color fastness test Water fastness GB/T 6411 Knitted underwear specification size series GB/T 6529 Standard atmosphere for humidity control and testing of textiles GB/T 7573 Determination of pH of Textile Water Extract GB/T 8629-2017 Home

washing and drying procedures for textile testing GB/T 8878 cotton knitted underwear GB/T 11048-1989 Test method for thermal insulation properties of textiles GB/T 17592 Determination of prohibited azo dyes in textiles GB 18401 National Textile Product Basic Safety Technical Code GB/T.19976-2005 Determination of bursting strength of textiles by steel ball method 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 01057 (all parts) Textile fiber identification test method FZ/T 01095 Test method for fiber content of textile spandex products 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)