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FZ

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

FZ/T 73077-2024

**Knitted quick-dry garments
(English Translation)**

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1 Scope

This document specifies the terms and definitions, standard sizing systems and specifications, requirements, tests, sampling rules, judgment rules, as well as product instructions for use, packaging, transportation, and storage for knitted quick-dry garments.

This document is applicable to quick-dry garments made primarily from knitted fabrics, as well as knitted quick-dry accessories such as headbands, neck gaiters, and arm sleeves.

This document is not applicable to knitted quick-dry garments and accessories for infants and young children aged 36 months or younger.

2 Normative References

The contents of the following documents constitute indispensable clauses of this document through normative references in the text. In terms of references with a specified date, only versions with a specified date are applicable to this document. In terms of references without a specified date, the latest version (including all the modifications) is applicable to this document.

GB/T 250 Textiles - Tests for colour fastness - Grey scale for assessing change in colour

GB/T 1335 (all parts) Standard sizing systems for garments

GB/T 2910 (all parts) Textiles - Quantitative chemical analysis

GB/T 2912.1 Textiles - Determination of formaldehyde - Part 1.Free and hydrolyzed formaldehyde (water extraction method)

GB/T 3920 Textiles - Tests for colour fastness - Colour fastness to rubbing

GB/T 3921-2008 Textiles - Tests for colour fastness - Colour fastness to washing with soap or soap and soda

GB/T 3922 Textiles - Tests for colour fastness - Colour fastness to perspiration

GB/T 4802.1-2008 Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 1.Circular locus method

GB/T 4856 Package of cotton goods and knitwear

GB/T 5296.4 Instructions for use of products of consumer interest - Part 4.Textiles and apparel

GB/T 5713 Textiles - Tests for colour fastness - Colour fastness to water

GSB 16-2159 Color cards of standard depths for knitted products (1/12)

GSB 16-2500 Defect appearance replicas of knitted fabric

3 Terms and Definitions

The following terms and definitions are applicable to this document.

3.1 Knitted Quick-Dry Garments

Garments made primarily from knitted fabrics that possess moisture absorption and quick-drying properties.

3.2 Fluorescent Colour

The colour exhibited when certain substances absorb incident light of a specific wavelength, become excited, and emit visible light.

NOTE: The colour that fluoresces under ultraviolet light irradiation.

4 Standard Sizing Systems and Specifications for Products

The standard sizing systems for knitted quick-dry garments shall comply with the provisions of

GB/T 1335 (all parts) or GB/T 6411; sizes falling outside these ranges may be increased or decreased sequentially based on the grading increments and principles specified in the standards.

Specifications for knitted quick-dry accessories shall be expressed in centimeters, with dimensions for key areas (such as length x width, circumference, etc.) indicated according to design requirements.

5.1 Grading Provisions

5.1.1

Quality grades are classified as superior grade, first grade, and qualified grade.

5.1.2

Quality grading. Intrinsic quality is graded by batch, while appearance quality is graded by individual item; the final grade is determined by the lower of the two.

5.1.3

For intrinsic quality indicators, the lowest inspection result shall serve as the basis for grading the product batch.

5.1.4

When appearance quality defects of different grades exist on the same product, the product shall be rated according to the lowest grade. Only two surface defects of the same grade are permitted on a single product; if this limit is exceeded, the product shall be downgraded by one grade.

5.3.4.1 Shoulder seams, crotch seams, and seam edges shall be reinforced.

5.3.4.2 Sewing threads (excluding decorative threads) used in the manufacture of the product

shall have strength, shrinkage, and color properties compatible with the fabric.

6.1.1 Preparation and test conditions

6.1.1.1

The specimens taken shall be free from defects that could affect the test results.

6.1.1.2

Prior to testing for dimensional change rate after washing and twist rate after washing, specimens shall be pre-conditioned in the standard atmosphere specified in GB/T 6529 for 4 h.

6.1.2.1 Fiber content

Conduct testing in accordance with the provisions of GB/T 2910 (all parts), GB/T 38015, FZ/T

01026, FZ/T 01057 (all parts), FZ/T 01101, etc.

6.1.2.2 Formaldehyde content

Conduct testing in accordance with the provisions of GB/T 2912.1.

6.1.2.3 pH

Conduct testing in accordance with the provisions of GB/T 7573.

6.1.2.4 Odor

Conduct testing in accordance with the provisions of GB 18401.

6.1.2.5 Decomposable carcinogenic aromatic amine dyes

Conduct testing in accordance with the provisions of GB/T 17592.

6.1.2.6 Colour fastness to water

Conduct testing in accordance with the provisions of GB/T 5713.

6.1.2.7 Colour fastness to perspiration

Conduct testing in accordance with the provisions of GB/T 3922.

6.1.2.8 Colour fastness to rubbing

Conduct testing in accordance with the provisions of GB/T 3920; test only in the lengthwise direction.

6.1.2.9 Colour fastness to washing with soap or soap and soda

Conduct testing in accordance with the provisions of Test Method A (1) of GB/T 3921-2008.

6.1.2.10 Colour fastness to light

Conduct testing in accordance with the provisions of Method 3 of GB/T 8427-2019. If the difference in ratings between stages exceeds half a grade, the judgment shall be based on the average colour fastness to light.

6.1.2.11 Colour fastness to light of textiles wetted with artificial perspiration

Conduct testing in accordance with the provisions of GB/T 14576.

6.1.2.12 Colour fastness to transfer in joints

Conduct testing in accordance with the provisions of Method A of GB/T 31127-2014. If the specimen dimensions do not meet the requirement of (100 ± 2) mm $\times$ (40 ± 2) mm, the specimen may be cut according to the maximum dimensions of the actual specimen.