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

FZ/T 43015-2021

**Knitted silk garments
(English Translation)**

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1 Scope

This Standard specifies the specifications, requirements, test methods, inspection rules, marking, packaging, transportation and storage of knitted silk garments.

This Standard applies to knitted garments, which are made of pure mulberry silk, and interwoven or blended mulberry silk with other fibers (with a mulberry silk content of 30% and above).

This Standard does not apply to knitted silk noil garments.

2 Normative references

The following documents are indispensable for the application of this document.

For dated references, only the dated version applies to this document. For undated references, the latest edition (including all amendments) applies to this document.

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

GB/T 1335, Standard sizing systems for garments

GB/T 2828.1-2012, Sampling procedures for inspection by attributes - Part

1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 2910, Textiles - Quantitative chemical analysis

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 for fuzzing and pilling - Part 1: Circular locus method

GB/T 4841.3, Colour cards of standard depths for dyeing with dyestuffs 2/1, 1/3, 1/6, 1/12, 1/25

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

GB/T 6411, A series of size of knitted underwear

GB/T 8170, Rules of rounding off for numerical values & expression and judgment of limiting values

GB/T 8427-2019, Textiles - Tests for color fastness - Color fastness to artificial light: Xenon arc

GB/T 8629-2017, Textiles - Domestic washing and drying procedures for textile testing

GB/T 8630, Textiles - Determination of dimensional change in washing and drying

GB/T 14576, Textiles - Tests for colour fastness - Colour fastness to light of textiles wetted with artificial perspiration

GB/T 14801, Test method for skewness and bow in woven and knitted fabrics

GB 18401, National general safety technical code for textile products

GB/T 19976, Textiles - Determination of bursting strength - Steel ball method

GB/T 21294-2014, Testing methods of physical and chemical performance of garments

GB/T 23319.3-2010, Textiles - Determination of spirality after laundering - Part 3: Woven and knitted garments

GB/T 24121, Textile products - Determination of the remains of broken sewing needle

GB/T 29862, Textiles - Identification of fiber content

GB 31701, Safety technical code for infants and children textile products

FZ/T 01026, Textiles - Quantitative chemical analysis - Multi-component fibre mixtures

FZ/T 01057, Test method for identification of textile fibres

4.5.4.3 The stitches of the lockstitch sewing machine shall be stitched back to the edges;

use clamps to roll back stitches at the joints of the collar, sleeves, and waist.

4.5.4.4 Leak, slotting, off-line and broken line are not allowed for each sewing process.

5.1 Basic safety performance test method

Carry out according to GB 18401, GB 31701.

5.2.1 Fiber content test method

Carry out according to GB/T 2910 (all parts), FZ/T 01026, FZ/T 01057 (all parts), FZ/T 01095, FZ/T 01101.

5.2.2 Bursting strength test method

Carry out according to GB/T 19976; the test condition is humidified; the diameter of the steel ball is (38 ± 0.02) mm.

5.2.3 Washing size change rate test method

Carry out the test method according to GB/T 8629-2017 and GB/T 8630. Adopt the type A standard washing machine in GB/T 8629-2017, 4H washing procedure, A-method (hanging and drying) drying procedure, and take 3 samples. Take the arithmetic average of 3 samples as the test result. If there are shrinkage and elongation samples at the same time, take the arithmetic average of the two samples of shrinkage (or elongation) as the test result; the final result shall be rounded off in accordance with GB/T 8170; one decimal place shall be kept.

5.2.4 Test method for distortion after washing

Take the 3 air-dried samples after the test in 5.2.3; spread them on a smooth table; pat them flat with hands; inspect them in accordance with Method B in

GB/T 23319.3-2010. Take the arithmetic average of 3 samples as the test result.

5.2.5 Test method for color fastness

5.2.5.1

The test method for color fastness to washing with soap or soap and soda shall be carried out in accordance with GB/T 3921-2008; use the test condition A(1).

5.2.5.2

The test method for color fastness to water shall be carried out in accordance with GB/T 5713.

5.2.5.3

The test method for color fastness to perspiration shall be carried out in accordance with GB/T 3922.

5.2.5.4

The test method for color fastness to rubbing shall be carried out in accordance with GB/T 3920; only do it in the vertical direction.

5.2.5.5

The test method for color fastness to light shall be carried out in accordance with Method 3 of GB/T 8427-2019.

5.2.5.6 The test method for colour fastness to light of textiles wetted with

artificial perspiration shall be carried out in accordance with GB/T 14576.

5.2.6 Pilling test method

Carry out according to method E in GB/T 4802.1-2008.

5.2.7 Test method for appearance after washing

Take 3 samples which are dried after the test in 5.2.3; evaluate them according to 8.5 in GB/T 21294-2014 and Table 1 of this Standard.

5.2.8 Test method for remains of broken sewing needle

Perform according to GB/T 24121. The detection sensitivity is 1.0 mm.

5.3.1 Inspection tools

Steel ruler whose graduation is 1 mm; GB/T250 grey scale.

5.3.2.1 Generally, use light inspection. Use a 40 W white (or blue) fluorescent

lamp; add a lampshade on it. The vertical distance between the lampshade and the center of the inspection table is $80\text{ cm} \pm 5\text{ cm}$.

5.3.2.2 If natural light is used indoors, the direction of the light source is north to the left (or right) upper corner; direct sunlight is not allowed to shine on the product.

5.3.2.3 During the inspection, spread the product flat on the inspection table, which is laid with a layer of white cloth. The inspector's line of sight shall be squarely on the surface of the product, with a visual distance of about 60 cm.