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

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**Knitted warp lace
(English Translation)**

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1 Scope

This Standard specifies the terms and definitions, product classification, specifications, requirements, tests, judgment rules, marking, packaging, transportation and storage of knitted warp lace.

This Standard applies to the assessment of the quality of knitted warp lace finished products.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies to this document. For undated references, the latest edition (including any amendment) applies to this document.

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

GB/T 2910, 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 4856, Package of cotton goods and knitwear

GB 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 7573, Textiles - Determination of pH of aqueous extract

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

GB/T 8427-2008, Textiles - Tests for color fastness - Color fastness to artificial light.

Xenon arc fading lamp test

GB/T 8628, Textiles - Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change

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

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

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

GB/T 17592, Textiles - Determination of the banned azo colourants

GB 18401, National general safety technical code for textile products

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 (all parts), Test method for identification of textile fibres

FZ/T 01095, Textile - Test method of elastane fibre content

FZ/T 70006, Stretch and recovery testing method for knits

FZ/T 70010, Testing method of dry weight per unit area for knitted fabrics

3 Terms and definitions

The following terms and definitions are applicable to this document.

3.1 Pattern length

The distance of a complete loop pattern along the knitting direction of knitted warp lace.

3.2 Pattern width

The distance between the parallel lines of the widest point on both sides of the pattern, when the knitted warp lace is perpendicular to the lace knitting direction.

4 Product classification

4.1

Knitted warp lace is divided into elastic knitted warp lace and non-elastic knitted warp lace by whether the fabric bottom net contains elastic fibers.

4.2

Knitted warp lace is divided into lace and lace fabric by pattern width, where the width is less than 80 cm, it is lace, and where the width is greater than or equal to 80 cm, it is lace fabric.

5 Specifications

The specifications of knitted warp lace are expressed as. breadth x pattern length x pattern width x dry weight per square meter (or dry weight per unit length); elastic lace also needs to be marked with tensile elastic elongation. Among them, the breadth, pattern length and pattern width are expressed in cm, the dry weight per square meter (or dry weight per unit length) is expressed in g/m² (or g/m), and the tensile elastic elongation is expressed in %.

6.1 Contents of requirements

The requirements for knitted warp lace are divided into two aspects. inherent quality and appearance quality. Inherent quality includes fiber content, dry weight deviation rate, washing size change rate, loose edge after washing, tensile elastic elongation, color fastness to washing with soap or soap and soda, color fastness to perspiration, color fastness to water, color fastness to rubbing, color fastness to light, formaldehyde content, pH value, resolvable carcinogenic aromatic amine dyes, unpleasant odor and other indicators; appearance quality is divided into size deviation rate, same roll (or piece) color difference, same batch color difference, straying end, local defects and scattered defects and other indicators.

6.2 Gradation requirements

6.2.1

Knitted warp lace is divided into high-quality products, first-class products and qualified products.

6.2.2

The inherent quality is rated by batches, and the appearance quality is rated by rolls (or pieces). The combination of the two is graded at the lowest grade.

6.2.3

For each indicator of inherent quality, the lowest inspection result shall be used as the evaluation basis for this batch of products.

6.4.4 For local defects, grading shall be carried out according to the range specified in Table 3 and Table 4, and each grading shall be 10 cm.

6.4.5 When measuring the appearance defects, measure by the maximum length.

6.4.6 Slitting defects. 1 defect is counted for each occurrence of rotten edge, burr, uneven teeth, etc.

6.4.7 Trimming thread end. the length shall be within 0.3 cm, otherwise, 1 defect shall be counted.

6.4.8 Holes. Where there are several holes within 3 cm of the lace fabric at the same time, it shall be counted as one. The dropped stitch and bad stitch, within 10 cm, caused by the holes will not be counted; otherwise, it shall be regarded as a dropped stitch or bad stitch.

7.1.1.1 Randomly take samples according to the type, specification and color of the

delivery batch. The number of samples shall be sufficient for all tests (including 3 pieces of 700 mm full-breadth samples for the washing size change rate).

7.1.1.2 The sampling distance shall be at least 1.5 m from the cloth head, and the samples taken shall not have defects that affect the test results.

7.1.2.1 Fiber content

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

7.1.2.2 Dry weight deviation rate

7.1.2.2.1

The dry weight per square meter shall be tested in accordance with the provisions of FZ/T 70010. For the test of dry weight per unit length, according to the entire breadth of the lace, take 3 pieces evenly according to one or several complete patterns along the length direction, measure the length, dry and weigh, and calculate the dry weight per unit length. For the dry weight per square meter of lace fabric with uneven structure, take samples by