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

FZ/T 13019-2021

**Yarn-dyed elastic fabric with spandex
(English Translation)**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules of Standardization Documents" drafted.

This document replaces FZ/T 13019-2007 "Dye-woven Spandex Stretch Fabric", compared with FZ/T 13019-2007 "Dye-woven Spandex Stretch Fabric", the main technical changes are as follows.

- Revised the scope of application of the document (see Chapter 1, Chapter 1 of the 2007 edition);
- Supplemented normative references (see Chapter 2, Chapter 2 of the 2007 edition);
- Adjusted the term "spandex exposed bottom" to "spandex exposed core" (see 3.5, 3.5 of the 2007 edition);
- Deleted the table of comprehensive evaluation methods for quality grades (see Table 1 of the 2007 edition);
- Clarified that products should meet the requirements of GB 18401, and added that infant and children's products should meet the requirements of GB 31701 (see 5.3.1);
- Modified the provisions of products, etc. as superior products, first-class products, and qualified products, and canceled the original classification of second-class products (5.2.1, see 2007 version 4.3);
- Modified the assessment requirements for fiber content (see Table 1, Table 2 of the 2007 edition);
- Deleted the assessment of the dimensional change rate, tensile elasticity, mass deviation rate per unit area, and weft slant size change of stretch denim products Requirements (see Table 1, Table 2 of the 2007 edition);
- Increased the assessment requirements for the elastic elongation of warp elastic or weft elastic products (see Table 1, Table 2 of the 2007 edition);

- Modified the plastic deformation rate assessment requirements (see Table 1, Table 2 of the 2007 edition);
- Added the test requirements for color fastness to perspiration and light (see Table 1, Table 2 of the 2007 edition);
- Improve the assessment requirements for color fastness to rubbing (see Table 1, Table 2 of the 2007 edition);
- Increased the requirements for the assessment of the degree of separation (see Table 1, Table 2 of the 2007 edition);
- Deleted the assessment requirements for the quality deviation rate per unit area (see Table 1, Table 2 of the 2007 edition);
- Delete the assessment requirements for weft and oblique dimension changes (see Table 1, Table 2 of the 2007 edition);
- Increased the requirements for the assessment of qualified products with width deviation (see Table 2, Table 3 of the 2007 edition);
- Improved the color difference requirements for superior and first-class products between bags and packages, and clarified the color difference requirements for qualified products (see Table 2, 2007 edition of table 3);
- Clarified the scoring method for fabric defects (see Chapter 6, Chapter 5 of the 2007 edition);
- Delete the "net dry content" requirement in the fiber content (see 7.1.1, 6.7 of the 2007 edition);
- Modified the tensile elasticity test method (see 7.1.5, 6.6 of the 2007 edition);
- Added the test methods for color fastness to perspiration and light (see 7.1.7, 7.1.8);
- Delete the test methods for the mass deviation rate per unit area and the weft-slant dimension change (see 6.8, 6.9, 6.10 of the 2007 edition);
- Added appearance inspection method (see 7.2);
- Clarified the inspection rules (see Chapter 8, Chapter 7 of the 2007 edition);
- Modified the requirements for marking, packaging, transportation and storage (see Chapter 9, Chapter 8 of the 2007 edition);
- Deleted Appendix A (see Appendix A of the 2007 edition).

1 Scope

This document specifies the terms and definitions, classification, requirements, test methods, inspection rules, marking, packaging, transportation and storage.

This document is applicable to the identification of various types of woven yarn-dyed spandex elastic fabrics for apparel (excluding cotton, hemp or chemical fibers) yarn-dyed stretch denim) quality.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 250 Textile color fastness test gray sample card for evaluating discoloration GB/T 2828.1-2012 Counting Sampling Inspection Procedures Part 1: Lot-by-Lot Inspection Sampling Retrieved by Acceptance Quality Limit (AQL) plan GB/T 2910 (all parts) Quantitative chemical analysis of textiles GB/T 3920 Textiles Color Fastness Test Color Fastness to Rubbing GB/T 3921-2008 Textiles Color Fastness Test Color Fastness to Soaping GB/T 3922 Textiles Color Fastness Test Color Fastness to Perspiration GB/T 3923.1 Tensile properties of textile fabrics - Part 1: Determination of breaking strength and elongation at break (strip method) GB/T 4666 Determination of length and width of textile fabrics GB/T 4668 Determination of Density of Woven Fabrics GB/T 4841.3 Dye dyeing standard depth color card 2/1, 1/3, 1/6, 1/12, 1/25 GB/T 8170 Numerical Rounding Rules and Representation and Judgment of Limit Values GB/T 8427-2019 Color fastness test of textiles Color fastness to artificial light. Xenon arc GB/T 8628 Preparation, Marking and Measurement of Fabric Specimens and Garments in Tests for Determination of Dimensional Change of Textiles GB/T 8629-2017 Domestic washing and drying procedures for textile testing GB/T 8630 Determination of dimensional changes of textiles after washing and drying GB/T 13772.2 Determination of Yarn Slip Resistance at Seams of Woven Textiles - Part 2: Constant Load Method GB 18401 National Basic Safety Technical Specification for Textile Products GB/T 29862 Identification of textile fiber content GB 31701 Safety Technical Specification for Textile Products for Infants and Children FZ/T 01034-2008 Test method for tensile elasticity of textile woven fabrics 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 Physical method for determination of fiber content of textiles