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FZ

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

FZ/T 32001-2018

Replacing FZ/T 32001-2009

**Flax yarn
(English Translation)**

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Product public regain rate, variety, specifications, logo
 - 3.1 Public regain rate
 - 3.2 Varieties
 - 3.3 Specifications

Foreword

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

This standard replaces FZ/T 32001-2009 "Linen Yarn", and the main technical changes compared with FZ/T 32001-2009 are as follows.

- Increased the marking regulations for linen yarns;
- Removed the blackboard inspection content, increased the hemp (400%)/(pieces/km), thick section (100%)/(pieces/km), details (-50%)/(pieces/km) inspection items;
- Increased minimum breaking strength test items;
- Increased elongation at break test items;
- Adjusted the line density binning and assessment indicators in Table 1, the index value requirements are correspondingly tightened;
- Revised the items and judgment rules for the evaluation of linen yarns.
- Increased the net quality test content of each piece of finished product;
- Added Appendix A.

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 Ma Textile Branch Technical Committee (SAC/TC209/SC4).

This standard was drafted. Heilongjiang Yanshou County Jijia Linen Textile Co., Ltd., Heilongjiang Province textile product quality supervision and inspection test Xinxin, Xinshen Group Co., Ltd., Qiqihar University, Tianjin Textile Fiber Inspection Institute.

1 Scope

This standard specifies the official moisture regain rate, variety, specifications, marking, technical requirements, sampling and testing of linen (including oil fiber dual-purpose linen) yarn products.

Inspection, acceptance rules, marking, packaging, transportation and storage.

This standard is applicable to the identification of the quality of wet-spun long and short linen yarns (primary yarns and bleached yarns) produced by ring spinning machines and as a handover test.

Uniform provisions for collection.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

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

GB/T 250 Textile color fastness test for gray color card for color change GB/T 3292.1 Test methods for textile yarns - Part 1 . Capacitance method GB/T 3916 Determination of breaking strength and elongation at break of single yarns for textile packages (CRE method) GB/T 4743-2009 Determination of normal density of skein of textile package yarn GB/T 9995 Determination of moisture content and moisture regain of textile materials FZ/T 01035 General purpose for textile marking line density (Tex)

3.1 Public regain rate

The nominal moisture regain of linen yarn is 12.0%.

3.2 Varieties

According to the spinning system, the varieties of linen yarn are divided into wet-spun long-staple yarn and wet-spun short-staple yarn, which are divided into primary yarn and bleached yarn according to color.

Two.

3.3 Specifications

3.3.1

The specification of linen yarn is expressed by the nominal linear density (Tt) or the metric count (Nm).

3.3.2

Nominal linear density (T_t) is expressed in grams of 1000 m yarn at a specified moisture regain, see equation (1).

$L \times 1000$

In the formula.

T_t ---nominal linear density in tex;

M --- the mass at the specified moisture regain rate, in grams (g);

L --- length in meters (m).

3.3.3

The specification of linen yarns can also be expressed in metric counts (Nm), which is expressed in meters of length of 1 g of mass yarn at the specified moisture regain.

See formula (2).