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

FZ/T 54048-2020

Replacing FZ/T 54048-2012

Recycled polyester drawn yarn

循环再利用涤纶牵伸丝

(English Translation)

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Foreword

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

This standard replaces FZ/T 54048-2012 "Recycled Polyester Draft Yarn". Main technical changes compared with FZ/T 54048-2012 as follows.

---Adjust the standard name (see the cover, the first page of the text, the cover of the 2012 edition, the first page of the text);

--- Adjust the scope of application of the standard (see Chapter 1, Chapter 1 of the 2012 edition);

--- Delete the terms and definitions of production batches and inspection batches, and modify the terms and definitions of recycled polyester draft yarn (see 3.1, 2012 edition 3.1, 3.2, 3.3);

---The index of breaking strength variation coefficient of excellent and first-class products was adjusted from 7.00 and 9.00 to 6.50 and 8.50 respectively (see Table 1, 2012 edition Table 1);

---Modify network performance items and indicators (see Table 1, 2012 edition of 5.4);

--- Increase the arbitration requirements of the network degree test method (see 6.5, 6.7 in the 2012 edition);

--- Modify the description of the weighing instrument range in the barrel weight test (see 6.6, 6.5 in the 2012 edition).

This standard was proposed by the China National Textile and Apparel Council.

This standard is under the jurisdiction of the China National Textile and Apparel Council.

Drafting organizations of this standard. Zhejiang Haili Environmental Protection Technology Co., Ltd., Fujian Baichuan Resources Recycling Technology Co., Ltd., Zhejiang Tongkun New Material Research Institute Co., Ltd., Suzhou Shenghong Fiber Co., Ltd., Xiamen

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1 Scope

This standard specifies the terms and definitions, product identification, and technical requirements for recycled polyester drawn yarn (hereinafter referred to as recycled polyester drawn yarn).

Requirements, test methods, inspection rules and markings, packaging, transportation, and storage requirements.

This standard is applicable to bus density of 20dtex~666dtex, monofilament line density of 0.5dtex~6.0dtex, circular cross section, trilobal shape Cross-section, natural-colored recycled polyester drawn yarn. Other types of recycled polyester drawn yarns can be used as reference.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated reference documents, the latest version (including all amendments) applies to this document.

GB/T 2828.1-2012 Sampling inspection procedures by attributes Part 1: Batch inspection sampling searched by acceptance quality limit (AQL) plan GB/T 4146 (all parts) Textile chemical fiber GB/T 6502 Sampling method for chemical fiber filament GB/T 6504 Test method for oil content of chemical fiber GB/T 6505 Test method for thermal shrinkage of chemical fiber filament (after treatment) GB/T 6508 Test Method for Dyeing Uniformity of Polyester Filament GB/T 8170-2008 Numerical rounding rules and the expression and determination of limit values GB/T 14343 Test method for linear density of chemical fiber filament GB/T 14344 Test method for tensile properties of chemical fiber filament FZ/T 50001-2016 Synthetic fiber filament network test method FZ/T 50002 Chemical fiber profile test method

3 Terms and definitions

The following terms and definitions defined in GB/T 4146 (all parts) apply to this document.

Recycledpoly(ethyleneterephthalate)drawn yarns Polyester drawn yarn produced from recycled polyethylene terephthalate as raw material.

4 Product identification

4.1

Product specifications are expressed in terms of bus density (dtex) and number of filaments (f). For example, the bus density is 167dtex, and the number of monofilaments is 48.

Raw polyester drawn yarn, its product specification is expressed as 167dtex/48f.

4.2

Product identification should include. product specifications, product name, batch number and other information, which can be effectively distinguished.