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FZ

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

FZ/T 54038-2014

Replacing FZ/T 54038-2011

**Profiled polyester drawn textured yarns
(English Translation)**

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Foreword

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

Instead of the standard FZ/T 54038-2011 "bright shaped DTY." This standard FZ/T 54038-2011 compared to major Changes are as follows.

- Expanding the scope of the standard, the original "bus density 55dtex ~ 888dtex, monofilament line density 0.5dtex ~ 5.6dtex Triangle, trefoil profiled bright polyester DTY "to" bus density 55dtex ~ 1111dtex, monofilament line density 0.3dtex ~ 5.6dtex trefoil, triangle, flat, cross and other profiled bright, semi-dull DTY "(see Chapter 1, Chapter 1 of the 2011 edition);
 - Remove the nominal linear density, terminology production batch (see Chapter 3, Section 3 of the 2011 edition);
 - Product identification from the original "by the production process, product specifications to identify" read. "Product Identification should include. specifications, shiny, spinning plates Shaped hole, product names or lot number and other information, can effectively distinguish between "(see Chapter 4, Chapter 4 of the 2011 edition);
 - Expanded, variation coefficient of linear density, breaking strength, elongation, crimp stability index was adjusted (see Table 1, 2011 Version of Table 1);
 - Breaking strength to breaking strength index variation coefficient of variation coefficient (see Table 1, Table 1 of the 2011 edition);
 - Test method for increasing the weight of the barrel (see 6.1.10);
 - When the reinspection, the appearance of assessment indicators, when the number of package failed $\geq Re$, reduce the level of the original one level, read. sentenced to discrepancies Former co-Level (see 7.5.2, 2011, edition of 7.5.4.2...);
 - Retest, the assessed level of integrated products to the physical appearance of the project and project items in the lowest grade given for the product level, change as follows.
- 7.4.3 Press assessment equal to or higher than the original level is judged as met, the

penalty is less than the original level does not meet (see 7553, 2011 edition...

The 7.5.4.3);

--- Delete "box for each package size as uniform as possible within the requirements" (see the 2011 version of 8.2.2).

--- "Prohibiting damage during transport crates and damp" to "forbidden to damage during transport crates, damp, exposure, and tilt Inversion "(see 8.3, version 8.3 in 2011).

The standard proposed by China Textile Industry Association.

This standard by the Shanghai textile industry technical supervision of the centralized.

This standard was drafted. Tong Kun Group Co., Ltd. Rongsheng Petrochemical Co., Ltd., Jiangsu Shenghong Technology Co., Ltd., Zhejiang Hengyi Advanced Materials Co., Xinfengming Group Co., Ltd., Fujian 100 Acer Poly Fiber Technology Co., Ltd., Taicang Zhenhui fiber Ltd., Suzhou Jinhui Fiber Materials Co., Ltd., Shanghai textile industry technical supervision, China Sinopec Yizheng Chemical Fiber Co. Shares the company.

1 Scope

This standard specifies the terms and definitions profiled DTY, product identification, technical requirements, test methods, inspection rules and signs, including Loading, transportation and storage requirements.

This standard applies to buses density 55dtex ~ 1111dtex, monofilament line density 0.3dtex ~ 5.6dtex trefoil, triangle, flat, Cross and other profiled bright, semi-dull DTY, DTY other types of profiled can be implemented by reference.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 250 textile color fastness test assessing change in color like the gray card GB/T 2828.1-2012 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch test sample plan GB/T 3291.1 textile material properties and test - Part 1. fibers and yarns GB/T 3291.3 textile material properties and test - Part 3. General GB/T 4146 Textile terms (chemical fibers) GB/T 4146.1 Textiles chemical fiber - Part 1. generic name GB/T 4146.3 Textiles chemical fiber - Part 3. Testing Terminology GB/T 6502 sampling method of chemical fiber filament GB/T 6504 Test method for chemical fiber oil content GB/T 6505 chemical fiber filament heat shrinkage test method GB/T 6506 texturing yarn crimp performance test method GB/T 6508 dyed polyester filament uniformity test method GB/T 8170 repair value expressed about the rules and limit values and judgment

GB/T 14190 fiber grade polyester chip (PET) Test Method GB/T 14343 chemical fiber filament linear density test method GB/T 14344 chemical fiber filament tensile properties GB/T 23111 non-automatic weighing instruments FZ/T 50001 Test method of synthetic filament network FZ/T 50002 Test method for chemical fiber shaped degree

3 Terms and Definitions

GB/T 3291.1, GB/T 3291.3, GB/T 4146, GB/T 4146.1, GB/T 4146.3 and GB/T 14190 and defined the following terms and definitions apply to this document.

Profiled DTY profiledpolyesterdrawntexturedyarn Polyester melt or slices, using clover, triangle, flat, cross and other profiled spinneret, spun polyester pre-oriented yarn formed by