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

SN/T 0471-2010

Replacing SN/T 0471-1995

**Test method of dyeing uniformity for import and export polyester
textured yarn**

进出口涤纶加工丝染色均匀度检验方法

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 and SN/T 1103-2002 given rules.

Instead of the standard SN/T 0471-1995 "Importers and polyester textured yarn dyeing uniformity test method." this standard compared with SN/T 0471-1995, the main technical changes are as follows.

- Modify terms and definitions "fading sample card" to "Grey Card";
- Increase in Chapter 4, "works" section, as is now the new dyeing machine can not high pressure, high temperature dyeing can be achieved, so the original Two standard staining methods. staining normal temperature and pressure and high temperature and pressure dyeing, staining to room temperature and high temperature dyeing method;
- Increase in high temperature dyeing machine equipment and reagents, D65 standard light source, rating plates and a pH meter, an increase cup, graduated cylinder capacity;
- Reference BASFA polyester filament yarn internationally agreed test methods, to modify the number of samples, and clearly the laboratory sample, the test sample and the number of spare samples;
- In the dyeing conditions expressly asked to use a pH meter to control the pH of the dye liquor;
- Assessment --- dyed sample added "lighting conditions" and "the rating process" to make the rating process more operational;
- Increase "Calculation and expression of test results";
- Increase the "test report." this standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Shanghai Entry-Exit Inspection and Quarantine Bureau, Donghua Institute of transit textile dyeing and finishing, the People's

Republic of China Zhejiang Exit Inspection and Quarantine and the State.

1 Scope

This standard specifies the import and export of polyester textured yarn on a single circular hosiery yarn feed system is woven into stockings, and after dyeing, measured Color uniformity of inspection methods.

This standard applies to the import and export of polyester textured yarn dyeing uniformity of inspection sampling, test methods and evaluation methods.

2 Normative reference standard

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 Laboratory use specifications and test methods GB/T 6682 Analysis FZ/T 01047-1997 Textiles visually assessed using standard lighting conditions color fastness

3 Terms and Definitions

The following terms and definitions apply to this document.

Grey card grayscale

When dyeing textile color fastness rating, the sample used for comparison of the color change degree standard, divided into five nine files.

Color colourdifference the same batch of polyester textured yarns dyed stockings, color difference between each segment.

Principle 4

On a single circular hosiery yarn feed system, according to the provisions of the knitting process conditions polyester textured yarn sample passes woven stockings and a predetermined Under conditions dyeing, bleaching control sample cards, visual assessment dyeing uniformity level of the sample.

There are two dyeing conditions. atmospheric dyeing method (Method A) and the high temperature dyeing method (Method B).

5 Apparatus and reagents

5.1

The main instruments

5.1.1 Waji. diameter 312in

Circular hosiery yarn feeding system.

5.1.2 dyeing machine. 0 °C ~ 100 °C, can control the heating rate and temperature, and can make a sample staining (Method A) in motion.

5.1.3 high temperature and pressure dyeing machine. Temperature 0 °C ~ 140 °C, pressure 0kPa ~ 3kPa, or high temperature dyeing machine. You can control the rate of temperature increase and