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

中华人民共和国国家标准

GB/T 14344-2008

**Testing method for tensile of man-made filament
yerns**

化学纤维 长丝拉伸性能试验方法

(BISFA-2004, Testing methods for polyester filament yerns, BISFA-2004, Testing methods
for polyamide filament yerns, BISFA-1997, Testing methods for viscose, copro, acetate,
triacetate and lyocell filament yerns, NEQ)

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**Standardization Administration of the People's Republic of
China**

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Foreword

This standard is not equivalent to the degree of consistency of the part of tensile performance in BISFA-2004 *Polyester Filament Yarn Test Methods*, BISFA-2004 *Nylon Filament Yarn Test Methods*, BISFA-1997 *Viscose, copper ammonium, Acetate, Triacetate, Lyocell Filament Yarn Test Methods*.

This standard will substitute GB/T 14344-2003 *Synthetic Fiber Filament Tensile Performance Test Methods*.

Compared with GB/T 14344-2003, the major changes of this standard are as follows:

- The scope of application is modified: expanded from synthetic fiber filament to cellulose fiber filament (See Chapter 1);
- Rounding off for calculation results is modified (8.1, 8.9 in the 2003 edition; 8.8 in this edition);
- Humidity conditioning, standard atmospheric conditions for test and the time are modified (Chapter 6 in the 2003 edition; 6.2 in this edition);
- Requirements on sampling of bulk items are added (see 6.1.1);
- The pretension load calculation is added (see 6.3.1);
- The part of statistic in the original standard is adjusted to Annex C of this standard.

Annex C of this Standard is normative, while Annex A and Annex B is informative.

This standard is proposed by China Textile Industry Association.

This standard is under the jurisdiction of Shanghai Textile Industry Technical Supervision Institute.

This standard is drafted by: Jiangsu Hengli Chemical Fiber Co., Ltd., Textile Industry Chemical Fiber Products Quality Supervision Center, Petroleum Industry Synthetic Fiber Quality Supervision and Inspection Center, Jiangsu Shenghong Chemical Fiber Co., Ltd., Baoding Tiane Chemical Fiber Co., Ltd., Xinxiang Chemical Fiber Co., Ltd.

The main drafters of this Standard are: Ding Jianzhong, Lu Xiuqin, Zhang Yushi, Cheng Qian, Chen Jiuling, Liu Chufeng, Lei Ming.

The issuances of previous versions of the standards replaced by this standard are as follows:

- GB/T 14344-1993 and GB/T 14344-2003.

Chemical fiber filament tensile performance test methods

1 scope

This standard specifies the method for testing tensile performance of chemical filaments, such as polyester (terylene), polyamide (nylon), polypropylene (PP) filament and cellulosic fiber.

This standard applies to chemical filaments (pre-oriented yarn, drawn yarn, textured yarn and so on). This standard can be used as reference for the chemical filament extracted from textile.

This standard does not apply to the filament, elongation percentage of which is larger than 0.5% when the tension is increased from 0.05cN/dtex to 0.1cN/dtex.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 3291.1 Textiles--Terms of textile material properties and test--Part 1: Fibre and yarn

GB/T 3291.3 Textiles--Terms of textile material properties and test--Part 3: General

GB/T 6502 Sampling method of man-made filament yarns

GB/T 6529 Textiles—Standard atmospheres for conditioning and testing

GB/T 8170 Rules of rounding off for numerical values & expression and judgement of limiting values

GB/T 14343 Testing method for linear density of man-made filament yarns

3 Terms and definitions

For the purpose of this standard, the following terms and definitions given in GB/T 3291.1 and GB/T 3291.3 shall apply.



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