Chinastandards.org

ICS 65.160
CCS X 85

YC

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YC/T 169.3-2002

Replacing YC/T 169.3-2002

Determination of physical and chemical characteristics of tow for cigarette. Part 3: Crimp number

(English Translation)

Issued on: March 30, 2009 **Implemented on: May 1, 2009**

Issued by: State Tobacco Monopoly Administration

Preview: page 1 of 4 shown, 4 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yc-t-169-3-2002

Chinastandards.org

Table of Contents

Foreword
1 Scope
2 Normative references
4 Instruments and equipment
5 Sampling
6 Measuring step

Foreword

YC/T 169 "cigarette tow physical and chemical properties of determination" is divided into 12 parts.

--- Part 1. tow linear density;

--- Part 2. Single yarn density;

--- Part 3. number of crimps;

--- Part 4. tow crimp index and the crimp tow elastic recovery;

--- Part 5. breaking strength;

--- Part 6. cross-sectional shape and radial shaped degree;

--- Part 7. Regain;

--- Part 8. moisture content;

--- Part 9. oil content;

--- Part 10. residual acetone content;

--- Part 11. Titanium dioxide content;

--- Part 12. Packaging and appearance.

This section YC/T 169 Part 3.

This Part replaces YC/T 169.3-2002 "tow for cigarette was measured series of standards - Part 3. The number of crimps." this section compared with YC/T 169.3-2002 main changes are as follows.

--- By the name of this section. Change "series of standards for cigarette tow measured number of crimps Part 3" to "cigarette tow measured physical and chemical properties Part

Preview: page 2 of 4 shown, 4 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yc-t-169-3-2002

set 3. number of crimps ";

--- "Normative references" to remove the GB/T 6529 "textiles conditioning and testing using standard atmosphere," adds GB/T 16447 "regulate tobacco and tobacco products and testing atmosphere";

--- Modify the sample;

--- Modified atmospheric conditions adjustment and testing requirements;

--- Measurement report adds two things. "the provisions of this part of the step of determining the difference" and "observed abnormal test phenomenon";

--- Added Appendix A.

Appendix A of this section is an informative annex.

This part by the State Tobacco Monopoly Bureau.

This part of the National Standardization Technical Committee of tobacco smokable material Technical Committee (SAC/TC144/SC8) centralized.

This section drafted by. China National Tobacco Quality Supervision and Inspection Center, Kunming Cellulose Fiber Co., Ltd., Yunnan Tobacco Quality Supervision and Testing Station, Zhuhai Cellulose Fiber Co., Ltd., Nantong Cellulose Fibers Co., Ltd., Xi'an Huida Chemical Industry Co., Ltd. Ya Technology Co. Shares the company.

1 Scope

YC/T in this part 169 specifies the method for the determination of smoke curled tow numbers.

This section applies to tobacco smoke and cellulose diacetate tow polypropylene fiber tow.

2 Normative references

The following documents contain provisions which, through reference YC/T 169 of this text, constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 16447 Tobacco and tobacco products for conditioning and testing atmospheres (GB/T 16447-2004, ISO 3402:1999, IDT) Principle 3 Curly undamaged fibers, under a certain load in tension, crimp crimp peaks and troughs of the number and length of 25mm within inter 2, that is, the number of crimped fibers.

Preview: page 3 of 4 shown, 4 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yc-t-169-3-2002

4 Instruments and equipment

4.1
torsion balance. Load range 0 ~ 10.00mN, a sense of volume 0.02mN.

4.2
Under holder. lift can smooth stroke >=30mm. The top of the lower clamp has a length indicator, its distance from the next gripper jaw from the (25 ± 0.5) mm.

4.3
Other tools. a magnifying glass (magnification >=5 times), a fiber clamp, scissors, tweezers, and a black velvet panels.

5 Sampling

From laboratory samples randomly intercept length of about 25mm tow five sections, from the middle of each sample drawn four crimped unspoiled Fibers.

6 Measuring step

6.1
Before the test, according to GB/T 16447 samples were adjusted to regulate the more than 12h, and tested under the appropriate environmental conditions.

6.2
power, preheat 15min, adjust the instrument according to the instrument operating procedures, the instrument is in test status.

6.3
fiber clip taken from a fiber sample extracted sample, which was hung on the hook of the torsion balance, clamp the fibers and other end to the middle of the lower gripper jaw.

6.4
The balance a certain load is applied by 0.018mN/dtex torsion, turn the balance.

6.5
Driven by the holder to the steady decline in the balance, rotation length pointer to read 25mm inner fiber curl crest curl through a magnifying glass Trough number.

Note: Special circumstances refer to Appendix A.

6.6
Repeat steps 6.3 to 6.5, a total of 20 test fiber.

Preview: page 4 of 4 shown, 4 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yc-t-169-3-2002