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

SN/T 4236-2015

**Methods of testing the down-proof properties for inspection of
import and export textiles. Impact test**

进出口纺织品防钻绒性检验方法 撞击法

(English Translation)

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and Definitions
5 Equipment and Materials

Foreword

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

This revised standard adopts EN12132-2:1998 "anti-drilling velvet fabric feather and down test methods - Part 2. Impact Act." this standard EN12132-2:1998 for the difference.

--- Air conditioning and testing using standard national standard GB/T 6529 Textiles conditioning and testing using standard atmosphere;

--- Tester adds transparent organic glass;

--- Test device increases the tweezers, sewing needles, sewing thread, sealed with an electric gun;

--- Increased filler requirements, using with the corresponding test fabric feather products feather filler, if not filled with down comforters Material, is used velvet sub-content of 70% washed gray duck down as filler;

--- Increasing the sample sewing pillow technical requirements, increasing the sample pillow seams sealant requirements;

--- Increase the number of statistical plush feather in the organic glass drilled;

--- Added Appendix B anti-drilling velvet evaluated.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Jiangsu Entry-Exit Inspection and Quarantine Bureau, People's Republic of China Guangdong Entry-Exit Inspection and Quarantine Bureau.

1 Scope

This standard specifies the determination of anti-drilling velvet textile strike of use METHOD.

This standard applies to the production of down products used in a variety of fabrics. Feather products according to the actual situation with reference to use.

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 6529 Textiles Standard conditioning and testing atmosphere GB/T 17685 Down and Feather

3 Terms and Definitions

The following terms and definitions apply to this document.

Anti-drilling velvet of down-proof properties Fabric to prevent feathers, down, and down from the wire surface drill performance, the number of drilling down under specified conditions with action representation.

Principle 4

The sample was made cylindrical pillow has a certain size, a certain quality of built-feather, feather filling, place the test instrument on inclined orbit, the sample was inclined plane impact stem bottom to the top of the push rod impact, namely pillow sample compression. Following an impact, the specimen Decline and return to the status quo along the track, repeat this step to achieve the simulation plush feather products in a variety of use suffered squeeze, rub, collisions, etc.

Effect by counting from the sample inside the drilled pillow feathers, feather and silk velvet to evaluate the number of anti-drilling cashmere fabric.

5 Equipment and Materials

5.1

Test equipment. test machine has a bevel angle of 20 ° is used as a specimen slide rail pillows, also contains two punch with impact bars Strike plate, the lower impingement plate is controlled by a rocker mechanism, can move back and forth along the track. In the lower part of the impingement plate, there are three fixed installation the impact stem, the angle between each impact rod is 120 ° and a distance of 95mm. Impact stem length 80mm,

diameter of 15mm, and the tip of Round. An upper plate fixedly mounted impact, the impact stem which only one, the same size as described above, is mounted above the center of the three impact stem.

Crank rocker mechanism, the impact rod strike movement twice as fast as the return movement, the impact frequency of 35 times/min. Under the impact of the upper plate the minimum distance between the impingement plate is 10mm, under the impact of the strike plate stroke is (500 ± 5) mm.

Mounted with transparent organic glass, impact testing machine having a preset number of times, the number of full automatic stop and other functions on the test machine.

Test equipment Figure refer to Appendix A, other instruments having the same properties may be used.

5.2

Balance. accuracy of 0.01g.