



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

GB/T 14272-2021

Replacing GB/T 14272-2011

Down garments

羽绒服装

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Foreword

This document was drafted in accordance with GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document replaces GB/T 14272-2011 "Down garments". Compared with GB/T 14272-2011, the main technical changes are as follows:

- a) CHANGE the scope of application (see Chapter 1; Chapter 1 of the 2011 edition).
 - b) SUPPLEMENT and CHANGE the normative references (see Chapter 2; Chapter 2 of the 2011 edition).
 - c) CHANGE the terms and definitions (see Chapter 3; Chapter 3 of the 2011 edition).
 - d) CHANGE the requirements of the instructions for use. CHANGE the "fleece content" to "down content". ADD the provisions for labeling and grading of the down content (see 4.1; 4.1 of the 2011 edition).
 - e) CHANGE the requirements for raw materials (see 4.3; 4.3 of the 2011 edition).
 - f) CHANGE the sewing requirements (see 4.8; 4.9 of the 2011 edition).
 - h) CHANGE the requirements for pressing and ironing (see 4.10; 4.11 of the i) CHANGE the physical and chemical performance requirements. ADD that the down garment worn by baby and infant, as well as children, shall also meet the requirements of GB 31701 at the same time. ADD that the limit requirements for the assessment of alkyl phenol (AP) and alkyl phenol polyoxyethylene ether (APnEO) for down fillings. ADD the assessment requirements for color fastness to perspiration, color fastness to mutual staining of splicing, appearance after washing. CHANGE the assessment requirements for staining-resistance to soap washing, color fastness to wet rubbing, color fastness to light, seam performance, down sprouting resistance (see 4.11; 4.12 of the 2011 edition).
 - j) CHANGE the inspection method (see Chapter 5; Chapter 5 of the 2011 edition).
 - k) CHANGE the Appendix A "Quality requirements for down" (see Appendix A; Appendix A of the 2011 edition).
 - l) CHANGE the Appendix B "Test method for finished down filling" (see Appendix B; Appendix B of the 2011 edition).
 - m) DELETE the Appendix C "Test methods for feather and down" (see Appendix C of the 2011 edition).
 - n) ADD the test method of "Determination of down fluffy - Steam reduction method" (see Appendix C).
- Appendix E "Test method for down sprouting resistance of fabrics", Appendix F "Microstructure and characteristics of goose and duck down" (see Appendix D, Appendix E,

Appendix F of the 2011 edition).

p) ADD the Appendix D "Test method for down sprouting resistance of down garment - Garment revolving box method" (see Appendix D).

Please note that some of the contents of this document may involve patents. The issuing agency of this document is not responsible for identifying patents.

This document was proposed by the China National Textile and Apparel Council.

This document shall be under the jurisdiction of the National Apparel Standardization Technical Committee (SAC/TC 219).

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- This is the third revision.

1 Scope

This document specifies the terms and definitions, requirements, inspection methods, inspection rules, marking, packaging, transportation and storage of down garments.

This document is applicable to clothing, which is produced with woven fabric as the main fabric AND down as filler. Small parts such as placket, flap, hood, collar, etc. can use other fillers.

This document does not apply to garments, which are filled with down and fiber blends, layered or zoned with fiber filling.

2 Normative references

The following documents are essential to the application of this document. For the dated

documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) is applicable to this standard.

GB/T 5296.4 Instructions for use of consumer products - Part 4: Textiles and clothing 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 8427-2019 Textiles - Tests for color fastness - Color fastness to artificial light: Xenon arc GB/T 8629-2017 Textiles - Domestic washing and drying procedures for textile testing GB/T 14801 Test method for skewness and bow in woven and knitted fabrics GB/T 15557 Standard terminology relating to apparel GB 18401 National general safety technical code for textile products GB/T 21294 Testing methods of physical and chemical performance of garments GB/T 21295-2014 Requirements of physical and chemical performance of garments GB/T 23322-2018 Textiles - Determination of surfactant - Alkylphenols and alkylphenol ethoxylates GB/T 29862 Textiles - Identification of fiber content GB/T 31127-2014 Textiles - Tests for color fastness - Color fastness to transfer in joints GB 31701 Safety technical code for infants and children textile products GB/T 31702 Testing method for sharpness of attached components on textile products FZ/T 80002 Marking, packaging, transportation and storage for garments FZ/T 80004 Rule for garments delivery inspection Five-level sample photos of down garment appearance defects and sewing wrinkles (Ministry of Textile Industry of the People's Republic of China) Sample photos of appearance defects of men's and women's singles, cotton garments, men's and children's single garments (Ministry of Textile Industry of the People's Republic of China)

3 Terms and definitions

The terms and definitions as defined in GB/T 17685 and GB/T 15557, as well as the following terms and definitions, apply to this document.

Garments which use down as the filler AND have an express value of the down content not less than 50%.

Fabric or non-woven fabric, which wraps down between the fabric and the lining.

Children aged 36 months and below.

Note: Generally, it refers to children, who has a height of 100 cm and below.

4 Requirements

4.1 Instructions for use

Instructions for use are in accordance with GB/T 5296.4 and GB 31701. Down filler shall be marked with down type, down content, filling amount. Among them, down content shall be