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

GB/Z 27735-2022

Camping tents

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" drafted.

This document replaces GB/T 27735-2011 "Camping Tent". Compared with GB/T 27735-2011, except for structural adjustment and editorial changes

Besides, the main technical changes are as follows.

- a) Added the revised requirements for tent fabrics given in ISO 10966.2005;
- b) the requirement for stability was removed;
- c) It is added that camping tents are divided into 3 grades according to their performance, and relevant requirements are given;
- d) Changed the ventilation related information;
- e) Changed the test method for flame retardant fabrics;
- f) Changed the content of rain test to be consistent with industry practice;
- g) added risk requirements related to new tents including shear and pinch points;
- h) Changed the size of the sleeping area.

This document is equivalent to ISO 5912.2011 "Camping tents".

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

0.1 Overview

The main purpose of this document is to improve the safety and quality performance of

camping tents by removing unrepeatable or meaningless requirements and measurements

Try ways to simplify previous versions.

One of the parameters that was removed was stability. For tents, stability is an important indicator, however at the time of the development of this document there was no

Reproducible test methods available. As soon as a suitable test or simulated test becomes available, the standard drafting group will give more information in this document.

specific requirements.

For large tents and large fabric structures, see Ref. [3].

0.2 Environmental factors

Every product has an environmental impact throughout its entire life cycle, from raw material procurement to production, logistics and use, and end-of-life disposal.

The consumption of energy and resources, the generation of waste, and the generation of exhaust gas, waste water, and waste all have an impact on the environment. products with different life cycles

The extent of a product's environmental impact depends on the choice of raw materials used, manufacturing processes, and maintenance and recycling methods in product design. camping

Manufacturers and distributors of tents should consider the environmental impact of their products, such as.

- Avoid using substances that are harmful to the environment;
- select the most efficient technologies and processes to reduce the consumption of energy and raw materials;
- the use of recycled materials in products and packaging;
- Encourage users to do a good job in end-of-life treatment, including the separation and identification of recyclable parts and packaging;
- Use of materials, components and manufacturing facilities that have been documented in compliance with environmental policies.

camping tent

1 Scope

This document specifies the safety, performance and comfort requirements for camping tents (hereinafter referred to as "tents").

This document applies to camping tents.

NOTE. For caravan tarpaulins see ISO 8936. Terms and definitions related to camping tents and caravan tarpaulins are given in ISO 7152.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

ISO 4675.1990 Rubber-orplastics-coatedfabrics-Low-Temperature Bend Test

Note. GB/T 18426-2021 Low temperature bending test of rubber or plastic coated fabrics (ISO 4675.2017, IDT)

ISO 105-A02 Textiles - Tests for colour fastness - Part A02. Grey scale for assessing discoloration (Textiles-Testsfor

Note. GB/T 250-2008 Textile color fastness test gray sample card for assessing discoloration (ISO 105-A02.1993, IDT)

ISO 105-B04 Tests for colour fastness of textiles - Part B04. Colour fastness to artificial weather. Xenon arc fade lamp test (Tex-lamp test)

ISO 105-X12 Textiles - Tests for colour fastness - Part X12. Colour fastness to rubbing

Note. GB/T 3920-2008 Textiles Color Fastness Test Color Fastness to Rubbing (ISO 105-X12.2001, MOD) testing)

Note. GB/T 6529-2008 Standard atmosphere for humidity conditioning and testing of textiles (ISO 139.2005, MOD)

testing-Specifications)

Note. GB/T 4744-2013 Testing and Evaluation of Waterproof Properties of Textiles by Hydrostatic Pressure Method (ISO 811-1981, MOD)

Note. GB/T 9799-2011 Metals and other inorganic coatings on steel with treated zinc plating (ISO 2081.2008, IDT)

Note. GB/T 11049-2008 Room temperature tablet test method for combustion performance of carpets (ISO 6925.1982, IDT)

ISO 6941.2003 Textile fabrics - Determination of flame spread properties of vertical samples (Textilefabrics-

Note. GB/T 5456-2009 Textile Combustion Properties Determination of Flame Spread Properties of Vertical Specimens (ISO 6941.2003, MOD)

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