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

GB/T 44139.2-2024

**Requirements for sleeping bags - Part 2: Raw material
properties**

睡袋的要求 第2部分：原材料性能
(English Translation)

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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 for standardization documents" Drafting.

This document is Part 2 of GB/T 44139 Requirements for Sleeping Bags. GB/T 44139 has been published in the following parts.

--- Part 1: Thermal performance, quality and dimensional requirements for sleeping bags designed for use at extremely low temperatures above -20°C;

--- Part 2: Raw material properties.

Introduction

With the progress of society and the improvement of people's living standards, people's outdoor leisure activities have gradually increased, and sleeping bags have become a popular choice for camping activities.

As sleeping bags need to be used in special outdoor environments, the performance of the product and the performance of the raw materials are very important.

GB/T 44139 aims to provide a basis for the quality control of sleeping bag products and their raw materials, and is intended to consist of two parts.

--- Part 1: Thermal performance, quality and dimensional requirements for sleeping bags designed for use at extremely low temperatures above -20°C.

It provides test methods for thermal resistance and applicable temperature, and puts forward clear requirements for product quality and size.

--- Part 2: Raw material properties. The purpose is to put forward performance requirements and test methods for raw materials used in sleeping bags.

The formulation of this document provides a basis for the quality control of sleeping bag products, promotes product quality improvement, ensures the personal safety of

consumers, and also it is a measure to respond to the national call for national fitness and improve the level of supporting services. It is of great significance to promote the healthy development of the industry and meet the needs of the market.

Very important significance.

Requirements for sleeping bags Part 2: Raw material properties

1 Scope

This document specifies the requirements for raw materials such as fabrics, linings, and fillings for sleeping bags, describes the corresponding test methods, and gives convenient classification of products according to technical requirements and defines relevant terms and definitions.

This document applies to the quality control of raw materials used in adult sleeping bags for various sports and leisure activities.

This document does not apply to sleeping bags for specific purposes such as military use or exploration in extreme climate zones, nor does it apply to sleeping bags for children or infants.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 250 Textiles - Grey scale for colour fastness tests GB/T 2910 (all parts) Quantitative chemical analysis of textiles GB/T 2912.1 Determination of formaldehyde in textiles - Part 1: Free and hydrolyzed formaldehyde (water extraction method) GB/T 3820 Determination of thickness of textiles and textile products GB/T 3917.1 Tear properties of textile fabrics Part 1: Determination of tear strength by impact pendulum method GB/T 3920 Textiles - Tests for colour fastness - Colour fastness to rubbing GB/T 3921-2008 Textiles - Tests for colour fastness - Colour fastness to washing with soap GB/T 3922 Textiles - Tests for colour fastness - Colour fastness to perspiration GB/T 4745 Testing and evaluation of the waterproof performance of textiles - Water-impregnation method GB/T 4802.2 Determination of the fuzzing and pilling properties of textile fabrics Part 2: Modified Martindale method GB/T 4841.3 Dyeing Standard Depth Color Chart 2/1, 1/3, 1/6, 1/12, 1/25 GB/T 5453 Determination of air permeability of textile fabrics GB/T 5713 Textiles - Tests for colour fastness - Colour fastness to water GB/T 6529 Standard atmospheres for conditioning and testing textiles GB/T 6836 Sewing thread GB/T 7573 Determination of pH

value of aqueous extract of textiles GB/T 8427-2019 Textiles - Tests for colour fastness - Colour fastness to artificial light. Xenon arc fading GB/T 8629-2017 Domestic washing and drying procedures for textile testing GB/T 8630 Determination of dimensional changes of textiles after washing and drying GB/T 10288 Inspection methods for down and feathers GB/T 12704.1-2009 Test method for water vapor permeability of textile fabrics Part 1: Moisture absorption method GB/T 12705.1 Test method for down resistance of textile fabrics Part 1: Friction method GB/T 14801 Test method for weft skew and bow of woven and knitted fabrics GB/T 17592 Determination of banned azo dyes in textiles GB/T 17685 Down and Feather GB 18383 General technical requirements for fiber products for wadding GB 18401 National basic safety technical specification for textile products