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# Requirements for sleeping bags — Part 2: Fabric and material properties

*Exigences pour les sacs de couchage —*

*Partie 2: Propriétés de l'étoffe et des matières*



Reference number  
ISO 23537-2:2023(E)

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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 83, *Sports and other recreational facilities and equipment*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 136, *Sports, playground and other recreational facilities and equipment*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 23537-2:2016), which has been technically revised.

The main changes are as follows:

- the requirement for colour fastness has been clarified to avoid misunderstanding (see [4.1.3.3](#));
- normative references have been updated (see [Clause 2](#)).

A list of all parts in the ISO 23537 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

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## Introduction

The ISO 23537 series consists of two parts, which allows for separate validation of thermal properties and product and material performance. This separation of parts also allows for continued development of new product combinations as it encourages manufacturers to consider new combinations of materials which, for example, are not suitable to be tested by traditional textile physical tests, but which can still have thermal properties evaluated.

This document considers important aspects concerning the physical and performance properties of the sleeping bag. Thermal and dimensional requirements are specified in ISO 23537-1.

**NOTE** No prediction model exists for the determination of the limit temperatures based on the thermal resistance of the sleeping bag for children and babies. Moreover, such a model for testing cannot be developed because the necessary controlled sleep trials with children or babies in climatic chambers are, out of ethical reasons, not possible.