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Footwear — Standard atmospheres for conditioning and testing of footwear and components for footwear

Chaussures — Atmosphères normales de conditionnement et d'essai des chaussures et de leurs éléments constitutifs



ISO 18454:2018(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 documents 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).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 216, Footwear.

This second edition cancels and replaces the first edition (ISO 18454:2001), which has been technically revised.

Introduction

This document was prepared based on the following ISO standards, which relate to atmospheres for conditioning and testing:

- ISO 554, Standard atmospheres for conditioning and/or testing Specifications;
- ISO 558, Conditioning and testing Standard atmospheres Definitions.

The aim of this document is to harmonize the specifications for the ambient conditions in which test methods for footwear and components for footwear will be carried out.

Footwear — Standard atmospheres for conditioning and testing of footwear and components for footwear

1 Scope

This document specifies the general conditioning and testing atmospheres for the evaluation of footwear and footwear component properties.

This document defines two standard atmospheres for conditioning and testing of footwear and footwear components.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2419, Leather — Physical and mechanical tests — Sample preparation and conditioning

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 2419, and the following, apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at https://www.iso.org/obp
- IEC Electropedia: available at http://www.electropedia.org/

3.1

atmosphere

ambient conditions defined by the parameters of temperature and relative humidity

3.2

standard atmosphere

atmosphere maintained within prescribed tolerances, in which a sample is kept for a given period of time before being subjected to testing

3.3

conditioning

operation designed to bring a sample into a specified condition in relation to temperature and relative humidity by keeping it for a given period of time in the standard atmosphere with free access of moving air to all surfaces

4 General requirements

The standard atmospheres and tolerances for conditioning and testing of footwear and footwear component properties are given in <u>Clause 5</u>.

When the conditioning is carried out at 23 °C and 50 % RH it is not necessary to indicate this in the test report. In any other case, the ambient conditions shall be explicitly stated in the test report.