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Footwear — Ageing conditioning

Chaussures — Conditionnement en vue du vieillissement

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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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Foreword

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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 20870:2001) which has been technically revised.

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Footwear — Ageing conditioning

1 Scope

This document specifies laboratory procedures which are intended to imitate the effects of naturally occurring reactions. The physical properties of interest are measured before and after the application of the specified treatments. The effect of the ageing procedures on any of the physical properties of the material can be examined.

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 17709, *Footwear — Sampling location, preparation and duration of conditioning of samples and test pieces*

ISO 18454, *Footwear — Standard atmospheres for conditioning and testing of footwear and components for footwear*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 17709 and ISO 18454 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/

4 Apparatus and material

The following apparatus and material shall be used.

4.1 For heat ageing.

4.1.1 Oven, with forced circulation, capable of maintaining the temperature of 70 °C ± 2 °C.

4.2 For humidity ageing.

4.2.1 Ageing apparatus, of such a size that the total volume of test pieces does not exceed 10 % of the free air space, and such that the test pieces are free of strain, freely exposed to the ageing atmosphere on all sides and not exposed to light.

4.2.2 Glass vessel, with a suitable closure for maintaining the test pieces at a relative humidity of 100 %, and a water-bath or drying oven for heating the vessel, capable of maintaining the temperature of 70 °C ± 2 °C.

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