



Handläggande organ

Standardiseringsgruppen STG

Fastställd

2000-02-18

Utgåva

1

Sida

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Footwear – Test methods for in-soles – Abrasion resistance

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ICS 61.060

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Tryckt i april 2000

EUROPEAN STANDARD

EN 12747

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 1999

ICS 61.060

English version

Footwear - Test methods for insoles - Abrasion resistance

Chaussures - Méthodes d'essai applicables aux premières
de montage - Résistance à l'abrasion

Schuhe - Prüfverfahren für Brandsohlen - Abriebwiderstand

This European Standard was approved by CEN on 9 August 1999.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 309 "Footwear", the secretariat of which is held by AENOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2000, and conflicting national standards shall be withdrawn at the latest by March 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This draft standard specifies a test method to determine the abrasion resistance of insoles, irrespective of the material.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to, or revisions of, any of these publications apply to this European Standard only when incorporated into it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 12222 Footwear - Standard atmospheres for conditioning and testing of footwear and components for footwear.

prEN 13400:1998 Footwear. Sampling location of components for footwear.

3 Definitions

For the purpose of this standard the following definition applies:

abrasion resistance

Surface resistance shown by an insole test piece when rubbed with a piece of wet white wool felt pad, covered with an abradant fabric, under a given pressure, with a number of to-and-fro motion cycles.

4 Apparatus and material

The following apparatus and material shall be used:

4.1 Carriage, with a horizontal, completely planar metal platform, a holder for fastening the material leaving 80 mm freely exposed and a device which allows the test piece to be maintained under a slight tension in the direction of the rubbing;

4.2 Finger, of mass $500 \text{ g} \pm 10 \text{ g}$, removable but able to be fixed firmly, with a base of $15 \text{ mm} \pm 0,5 \text{ mm} \times 15 \text{ mm} \pm 0,5 \text{ mm}$, a device for attaching pieces of wool felt (see 4.4) to the base, having an additional mass of $500 \text{ g} \pm 10 \text{ g}$ and a means of guiding the finger when fully loaded (total mass $1 \text{ kg} \pm 0,1 \text{ kg}$) flat on the test piece;

4.3 means for driving the carriage to and fro, with an amplitude of $35 \text{ mm} \pm 1 \text{ mm}$ and a frequency of $40 \text{ cycles/min} \pm 2 \text{ cycles/min}$.