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Footwear — Test methods for insoles — Delamination resistance

Chaussures — Méthodes d'essai applicables aux premières de montage — Résistance au délaminage

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Foreword

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

This second edition cancels and replaces the first edition (ISO 20866:2001), which has been technically revised.

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Footwear — Test methods for insoles — Delamination resistance

1 Scope

This document specifies a test method for the determination of the delamination resistance of insoles, irrespective of the material.

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 5893, *Rubber and plastics test equipment — Tensile, flexural and compression types (constant rate of traverse) — Specification*

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 following terms and definitions 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
delamination resistance
force per unit area required to separate the internal structure of the insole material

4 Apparatus and material

The following apparatus and material shall be used.

4.1 Tensile-testing machine (dynamometer), shall comply with the requirements of ISO 5893, to an accuracy corresponding to grade B, with a constant rate of traverse of 25 mm/min ± 5 mm/min.

4.2 Pairs of solid cylinders, each cylinder with a diameter of 38,92 mm ± 0,02 mm, with provisions for attachment to the tensile-testing machine. The end faces of the cylinders shall be at right angles to their axes. The cylinders shall fit in the tensile-testing machine so that the line of action passes through the axis of the two cylinders. One pair of cylinders is required for each test piece.

4.3 Collars, with internal diameters of 39,00 mm ± 0,03 mm, to keep the cylinders and test pieces coaxial during assembly.

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