INTERNATIONAL STANDARD



First edition 2010-07-01

Footwear — Test method for the characterization of elastic materials — Tensile performance

Chaussures — Méthode d'essai de caractérisation des matériaux élastiques — Performances de traction



Reference number ISO 10765:2010(E)

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Foreword

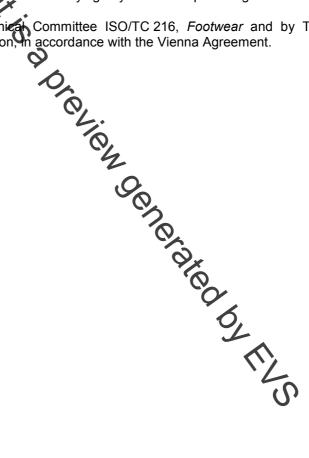
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ISO 10765 was prepared by Technical Committee ISO/TC 216, *Footwear* and by Technical Committee CEN/TC 309, *Footwear* in collaboration, in accordance with the Vienna Agreement.



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Footwear — Test method for the characterization of elastic materials — Tensile performance

Scope

This International Standard specifies a test method for the determination of some typical parameters of elastics for footwear using the strength/elongation graph, which is obtained from the tensile strength test. This method is applicable to an elastic material used for footwear.

Normative reference 2

The following referenced documents are indispensable for the application 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 18454, Footwear — Standard atmos prevers for conditioning and testing of footwear and components for footwear

Terms and definitions 3

For the purposes of this document, the following terms and definitions apply.

3.1

elastic

Howing it to stretch and return to its original tape, cord or fabric containing rubber or a similar substance shape

Generally elastic materials are used in upper construction in the quarters or in the straps to hold the shoe on NOTE the foot.

3.2

elastic gradient

slope of the straight part of the graph, with reference to width

3.3

modulus

strength needed to stretch an elastic band until a given extension, with reference to width

3.4

limit of useful extension

extension value on the point of the graph where the slope is five times bigger than the average at the initial part of the curve

NOTE It is the point at which the stretching together of the textile material threads and the rubber threads that form elastic begins.