

**BUREAU OF INDIAN STANDARDS**

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भारतीय मानक मसौदा  
फुटवियर की परीक्षण पद्धतियाँ  
भाग 29 इनसोल के लिए गैर-परतबन्दी प्रतिरोध क्षमता

*Draft Indian Standard*

Methods of Test for Footwear  
Part 29 Delamination Resistance for Insoles

(ICS 61.060)

Footwear Sectional Committee, CHD 19

Last Date for Comments: 30 June 2024

Footwear Sectional Committee, CHD 19

**NATIONAL FOREWORD**

*(Formal clause will be added later)*

This Indian Standard published as a part of IS 8085 under the general title 'Methods of test for footwear'. This part is an adoption of ISO 20866:2018 which specifies a test method for the determination of the delamination resistance of insoles, irrespective of the material.

This Indian Standard is published in several parts. The other parts in this series are:

Part 1 Dimensions, fitting, adhesion test, peel test, heat resistance test and ageing test

Part 2 Footwear performance test, stiffness test for shanks, lastometer test for cracking of uppers; and performance test for upper fabrics, coated fabrics, sock lining and other lining materials.

Part 3 Upper sole adhesion

Part 4 Resistance to crack initiation and growth — Belt flex method

Part 5 Longitudinal stiffness of shanks

Part 6 Abrasion resistance of uppers, linings and insoles

Part 7 Deformability of upper

Part 8 Delamination resistance of uppers

Part 9 Tear strength of uppers linings and insoles

Part 10 Heel attachment for whole shoe

Part 11 Attachment strength of straps, trims and accessories

Part 12 Tensile performance of elastic materials

Part 13 Seam strength for uppers, lining and insoles

Part 14 Water vapour permeability and absorption for uppers and lining

Part 15 Washability in a domestic washing machine for whole shoe

Part 16 Flexing durability for whole shoe

Part 17 Abrasion resistance for accessories shoe laces

Part 18 Peel strength before and after repeated closing for accessories touch

Part 19 Shear strength before and after repeated closing for accessories touch and close fasteners

Part 20 Flex Resistance for uppers and lining

Part 21 Strength of slide fastener pullers (Under Printing with Document No. CHD/19/ CHD/19/24063)

Part 22 Attachment strength of end stops (Under Printing with Document No. CHD/19/24064)

Part 23 Resistance to repeated opening and closing (Under Printing with Document No. CHD/19/24065)

Part 24 Lateral Strength for slide fasteners (Under Printing with Document No. CHD/19/24197)

Part 25 Slip resistance (Under Printing with Document No. CHD/19/24198)

Part 26 Tensile strength and elongation for uppers (Under Printing with Document No. CHD/19/24199)

Part 27 Flex resistance of outsoles (Under Printing with Document No. CHD/19/24200)

Part 28 Top piece retention strength heels and top pieces (Under Printing with Document No. CHD/19/24201)

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker in the International Standard, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard.

| <i>International Standard No</i> | <i>Title</i>   |
|----------------------------------|--|
| 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                     |

In this adopted standard, reference appears to certain International Standards where the standard atmospheric conditions to be observed are stipulated which are not applicable to tropical/subtropical countries. The applicable standard atmospheric conditions for Indian conditions are  $(27 \pm 2) ^\circ\text{C}$  and  $(65 \pm 5)$  percent, relative humidity and shall be observed while using this standard.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2: 2022 'Rules for rounding off numerical values (*second revision*)'.

**FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 20866: 2018**

Note: The technical content of the document has not been enclosed as these are identical with the corresponding ISO Standard. For obtaining the copy of the complete ISO Standard, please contact:

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