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Textiles — Tear properties of fabrics —

Part 2:

Determination of tear force of trousershaped test specimens (Single tear method)

Textiles — Propriétés de déchirement des étoffes —

Partie 2: Détermination de la force de déchirure des éprouvettes pantalons (Méthode de la déchirure unique)



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 13937 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 13937-2 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee TC 38, *Textiles*, Subcommittee SC 24, *Conditioning atmospheres and physical tests for textile fabrics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Throughout the text of this standard, read "...this European Standard..." to mean "...this International Standard...".

ISO 13937 consists of the following parts, under the general title *Textiles* — *Tear properties of fabrics*:

- Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)
- Part 2: Determination of tear force of trouser-shaped test specimens (Single tear method)
- Part 3: Determination of tear force of wing-shaped test specimens (Single tear method)
- Part 4: Determination of tear force of tongue-shaped test specimens (Double tear test)

Annex D forms a normative part of this part of ISO 13937. Annexes A, B and C are for information only.

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Foreword

The text of EN ISO 13937-2:2000 has been prepared by Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 38 "Textiles".

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 Octobre 2000, and conflicting national standards shall be withdrawn at the latest by Octobre 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.

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ISO 13937-2:2000(E)

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Introduction

EN ISO 13937 has been prepared as a part of several test methods for the determination of certain mechanical properties of textiles using mainly tensile-testing machines, e.g. tensile properties, seam tensile properties, tear properties, seam slippage. Test requirements for these standards agree where appropriate. The results obtained by one of the methods should not be compared with those obtained by other methods. Annex E lists test methods standardized in this context.

EN ISO 13937 specifies methods for the determination of tear force of fabrics. Part 1 describes a ballistic pendulum method, parts 2 to 4 describe methods using tensile-testing machines.