INTERNATIONAL STANDARD

ISO 12236

First edition
1996-10-15

Geotextiles and geotextile-related products — Static puncture test (CBR test)

Géotextiles et produits apparentés — Essai de poinçonnement statique (essai CBR)

Reference number
ISO 12236:1996(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 the member bodies casting a vote.

International Standard ISO 12236 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee TC 38, *Textiles,* Subcommittee SC 21, *Geotextiles*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Annex ZZ of this International Standard is for information only.

Annex ZZ provides a list of corresponding International and European Standards for which equivalents are not given in the text.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet central@isocs.iso.ch
X.400 c=ch; a=400net; p=iso; o=isocs; s=central

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Foreword

The text of EN ISO 12236:1996 has been prepared by Technical Committee CEN/TC 189 "Geotextiles and geotextile-related products", the secretariat of which is held by IBN, 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of an identical text or by endorsement, at the latest by August 1996, and conflicting national standards shall be withdrawn at the latest by August 1996.

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

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1 Scope

This European standard specifies a method for the determination of the puncture resistance by measuring the force required to push a flat ended plunger through geotextiles and geotextile-related products.

The test is normally carried out on dry specimens conditioned in the specified atmosphere. Alternatively, on request, the test can be carried out on wet specimens.

The test is applicable to most types of products, but not to materials with apertures greater than 10 mm.

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 applications apply to this European standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 963	Geotextiles and geotextile-related products - Sampling and preparation of test specimens
EN 30320	Geotextiles - Identification on site (ISO 10320:1991)
ISO 554	Standard atmospheres for conditioning and/or testing - Specifications
ISO 3696	Water for analytical laboratory use - Specification and test methods
ISO 7500-1	Metallic materials - Verification of static uniaxial testing machines - Part 1: Tensile testing machines

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1 plunger force *F*: The force *F* as the plunger is pushed onto and through the specimen at constant rate of displacement.