



SLOVENSKI STANDARD SIST EN ISO 6940:2004

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Textile fabrics - Burning behaviour - Determination of ease of ignition of vertically oriented specimens (ISO 6940:2004)

Textilien - Brennverhalten - Bestimmung der Entzündbarkeit vertikal angeordneter Proben (ISO 6940:2004)

Textiles - Comportement au feu - Détermination de la facilité d'allumage d'éprouvettes orientées verticalement (ISO 6940:2004)

Ta slovenski standard je istoveten z: EN ISO 6940:2004

ICS:

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
59.080.30	Tkanine	Textile fabrics

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 6940

February 2004

ICS 13.220.40; 59.080.30

Supersedes EN ISO 6940:1995

English version

Textile fabrics - Burning behaviour - Determination of ease of ignition of vertically oriented specimens (ISO 6940:2004)

Textiles - Comportement au feu - Détermination de la facilité d'allumage d'éprouvettes orientées verticalement (ISO 6940:2004)

Textilien - Brennverhalten - Bestimmung der Entzündbarkeit vertikal angeordneter Proben (ISO 6940:2004)

This European Standard was approved by CEN on 16 January 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 6940:2004 (E)**Foreword**

This document (EN ISO 6940:2004) has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

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 2004, and conflicting national standards shall be withdrawn at the latest by August 2004.

This document supersedes EN ISO 6940:1995.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

NOTE FROM CMC The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

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Endorsement notice

The text of ISO 6940:2004 has been approved by CEN as EN ISO 6940:2004 without any modifications. <https://standards.iteh.ai/catalog/standards/sist/74b9b5b7-1f98-4484-8919-21ddddd65c7/sist-en-iso-6940-2004>

INTERNATIONAL
STANDARD

ISO
6940

Second edition
2004-02-01

**Textile fabrics — Burning behaviour —
Determination of ease of ignition of
vertically oriented specimens**

*Textiles — Comportement au feu — Détermination de la facilité
d'allumage d'éprouvettes orientées verticalement*

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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
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ISO 6940:2004(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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

ISO 6940 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 19, *Burning behaviour of textiles and textile products*.

This second edition cancels and replaces the first edition (ISO 6940:1984), which has been technically revised. It also incorporates the Amendment ISO 6940:1984/Amd.1:1993.

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Introduction

This method is one of two closely related methods of test for the inflammability of textile fabrics. It determines the ease of ignition, as defined in ISO 4880; the other method measures flame spread time (see ISO 6941).

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Textile fabrics — Burning behaviour — Determination of ease of ignition of vertically oriented specimens

1 Scope

This International Standard specifies a method for the measurement of ease of ignition of vertically oriented textile fabrics and industrial products in the form of single or multi-component fabrics (coated, quilted, multilayered, sandwich constructions, and similar combinations), when subjected to a small, defined flame.

This method assesses the properties of textile fabrics in response to flame contact under controlled conditions. Results may not apply to situations where there is restricted air supply or exposure to large sources of intense heat.

The influence of seams on the behaviour of fabrics can be determined by this method, the seam being positioned within the test specimen so as to be subjected to the test flame. Whenever practicable, trimmings should be tested as part of the fabric assembly on which they are, or will be, used.

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2 Normative references

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.

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ISO 4880, *Burning behaviour of textiles and textile products — Vocabulary*

ISO 6941, *Textile fabrics — Burning behaviour — Measurement of flame spread properties of vertically oriented specimens*

3 Terms and definitions

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

3.1

flame application time

time for which the ignition flame is applied to the test specimen

3.2

afterflame time

duration of flame

length of time for which a material continues to flame under specified test conditions, after the ignition source has been removed

NOTE Afterflame time is measured to the nearest second and afterflame times of less than 1,0 s should be recorded as zero.

3.3

ignition

initiation of combustion