

Kangasmaterjalid. Põlemisomadused. Leegi levimisomaduste määramine vertikaalsetel proovidel

Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 6941:2004 sisaldab Euroopa standardi EN ISO 6941:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.04.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 6941:2004 consists of the English text of the European standard EN ISO 6941:2003.</p> <p>This document is endorsed on 27.04.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This International Standard specifies a method for the measurement of flame spread times of vertically oriented textile fabrics and industrial products in the form of single or multi-component fabrics when subjected to a small, defined flame.</p>	<p>Scope: This International Standard specifies a method for the measurement of flame spread times of vertically oriented textile fabrics and industrial products in the form of single or multi-component fabrics when subjected to a small, defined flame.</p>
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ICS 13.220.40, 59.080.30

Võtmesõnad: kangad, katsed, katseseadmed, määramine, põletid, põlevuskatsed, tekstiilid, tule levik

English version

Textile fabrics – Burning behaviour

Measurement of flame spread properties of vertically oriented specimens
(ISO 6941 : 2003)

Textiles – Comportement au feu – Détermination des propriétés de propagation de flamme d'éprouvettes orientées verticalement (ISO 6941 : 2003)

Textilien – Brennverhalten – Messung der Flammenausbreitungseigenschaften vertikal angeordneter Proben (ISO 6941 : 2003)

This European Standard was approved by CEN on 2003-11-21.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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

Foreword

International Standard

ISO 6941 : 2003 Textile fabrics – Burning behaviour – Measurement of flame spread properties of vertically oriented specimens,

which was prepared by ISO/TC 38 'Textiles' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 248 'Textiles and textile products', the Secretariat of which is held by BSI, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by June 2004 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 6941 : 2003 was approved by CEN as a European Standard without any modification.

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Introduction

This method is one of two closely related methods of test for the inflammability of textile fabrics. This method determines the “flame spread time” — vocabulary in relation to the term defined in ISO 4880 — the other method observes and measures “ease of ignition” (see ISO 6940).

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.

1 Scope

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

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.

ISO 4880:1997, *Burning behaviour of textiles and textile products — Vocabulary*

ISO 6940, *Textile fabrics — Burning behaviour — Determination of ease of ignition 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

flame spread time

time taken by a flame on a burning material to travel a specified distance under specified test conditions

4 Principle

A defined flame from a specified burner is applied for 10 s to the surface or the bottom edge of textile specimens that are vertically oriented. The flame spread times in seconds for the flame front to travel between marker threads positioned adjacent to the surface of the test specimen and located at three distances from the igniting flame, are recorded.