



**ISO 6941**

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

*Étoffes — Comportement au feu — Détermination des propriétés  
de propagation de flamme d'éprouvettes orientées verticalement*

**Third edition  
2026-05**



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Published in Switzerland

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<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Principle</b> .....	<b>1</b>
<b>5 Apparatus</b> .....	<b>2</b>
5.6 Timing device.....	2
<b>6 Precautions</b> .....	<b>4</b>
6.1 Construction of testing equipment.....	4
6.2 Location of test apparatus.....	5
6.3 Health and safety of operators.....	5
<b>7 Sampling</b> .....	<b>5</b>
7.1 Number of test specimens.....	5
7.2 Test specimen holder pin location marks.....	5
7.3 Test specimen size.....	5
<b>8 Conditioning and testing atmosphere</b> .....	<b>5</b>
8.1 Conditioning.....	5
8.2 Testing atmosphere.....	6
<b>9 Setting up the apparatus</b> .....	<b>6</b>
9.1 Procedures A (Surface ignition).....	6
9.1.1 Mounting of the test specimen.....	6
9.1.2 Operating position of the burner.....	6
9.1.3 Flame adjustment — Horizontal reach.....	6
9.1.4 Flame position.....	6
9.2 Procedure B (Bottom edge ignition).....	6
9.2.1 Mounting of the test specimen.....	6
9.2.2 Operating position of the burner.....	6
9.2.3 Flame adjustment — Vertical flame height.....	7
9.2.4 Flame position.....	7
<b>10 Test procedure</b> .....	<b>8</b>
10.1 Surface ignition.....	8
10.2 Bottom edge ignition.....	9
<b>11 Precision</b> .....	<b>9</b>
<b>12 Test report</b> .....	<b>10</b>
<b>Annex A (normative) Description and construction of the burner</b> .....	<b>11</b>
<b>Annex B (informative) Experimental techniques</b> .....	<b>12</b>
<b>Bibliography</b> .....	<b>13</b>

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This document was prepared by Technical Committee ISO/TC 38, *Textiles*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 248, *Textiles and textile products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 6941:2003), which has been technically revised.

The main changes are as follows:

- [Figure 1](#) b) has been corrected with the proper angular dimension line and the shape of the tip of the gas jet;
- [Figure 3](#) a) and [Figure 3](#) b) have been revised to show the test specimen clear;
- this revision aims to clarify without any structural changes.

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This method is one of two closely related methods of test for the inflammability of textile. This method determines the “flame spread time” as defined in ISO 4880 [1]. The other method observes and measures “ease of ignition” (see ISO 6940 [2]).

The method given in this document assesses the properties of textile fabrics in response to flame contact under controlled conditions. There is a possibility that results do not apply the situations where there is restricted air supply or exposure to large sources of intense heat.

The influence of seams on the behaviour of textile 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 are tested as part of the textile fabric assembly on which they are or will be used.