



ISO 6940

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

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

**Third edition
2026-05**



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This third edition cancels and replaces the second edition (ISO 6940:2004), 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 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 textiles. It determines the ease of ignition as defined in ISO 4880 [\[1\]](#). The other method measures flame spread time ISO 6941 [\[2\]](#).

The method specified 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 in 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 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.