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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 9773:1998/A1**

September 2003

ICS 13.220.40; 83.080.01

English version

**Plastics - Determination of burning behaviour of thin flexible  
vertical specimens in contact with a small-flame ignition source -  
Amendment 1: Specimens (ISO 9773:1998/Amd 1:2003)**

Plastiques - Détermination du comportement au feu  
d'éprouvettes minces verticales souples au contact d'une  
petite flamme comme source d'allumage - Amendement 1:  
Eprouvettes (ISO 9773:1998/Amd 1:2003)

Kunststoffe - Bestimmung des Brandverhaltens von  
dünnen, biegsamen, vertikal ausgerichteten Probekörpern  
in Kontakt mit einer kleinen Zündquelle - Änderung 1:  
Probekörper (ISO 9773:1998/Amd 1:2003)

This amendment A1 modifies the European Standard EN ISO 9773:1998; it was approved by CEN on 24 July 2003.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This amendment 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 Management Centre has the same status as the official versions.

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

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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 9773:1998/A1:2003 (E)**

<b>CORRECTED 2003-11-05</b>
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**Foreword**

This document (EN ISO 9773:1998/A1:2003) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

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 March 2004, and conflicting national standards shall be withdrawn at the latest by March 2004.

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

**Endorsement notice**

The text of ISO 9773:1998 has been approved by CEN as EN ISO 9773:1998/A1:2003 without any modifications.

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# INTERNATIONAL STANDARD

# ISO 9773

Second edition  
1998-03-01

**AMENDMENT 1**  
2003-09-15

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## Plastics — Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source

AMENDMENT 1: Specimens

**iTeh STANDARD PREVIEW**

*(standard in progress)*  
*Plastiques — Détermination du comportement au feu d'éprouvettes  
minces verticales souples au contact d'une petite flamme comme  
source d'allumage*

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**AMENDMENT 1: Éprouvettes** 7-4454-a537-  
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Reference number  
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## ISO 9773:1998/Amd.1:2003(E)

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## 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.

Amendment 1 to ISO 9773:1998 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 4, *Burning behaviour*.

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# Plastics — Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source

## AMENDMENT 1: Specimens

### Page 1

In the second sentence of Clause 1, replace “using method B of ISO 1210” by “using method B of IEC 60695-11-10:1999”.

Update Clause 2 (normative references) as follows:

Replace ISO 1210:— by IEC 60695-11-10:1999 and delete the footnote.

Replace ISO 1043-1:1997 by ISO 1043-1:2001 (same title).

Insert 1998 as the year of publication of ISO 10093 and delete the footnote.

Replace ASTM D 5207-91 by ASTM D 5207-98 (same title).

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### Page 4

Replace Clause 7 “Specimens” by the following clause.  
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## 7 Specimens

**7.1** It is possible that the results of tests carried out on test specimens taken from materials of different densities, colours, thicknesses, melt flow abilities and directions of anisotropy, or with different additive or filler/reinforcement contents, will be different. For materials with properties or compositions which vary over a range, the test specimens shall be representative of the whole range.

**7.2** Test specimens with densities, melt flow abilities and additive or filler/reinforcement contents at the extremes of the range shall be tested and, if the test results yield the same flame test classification, all specimens within the range shall be considered representative of the range. If the burning characteristics are not essentially the same, the results of the evaluation shall be considered to apply only to the materials with the densities, melt flow abilities and additive or filler/reinforcement contents tested. Additional test specimens with intermediate densities, melt flow abilities and additive or filler/reinforcement contents shall be tested to determine the range of applicability.

**7.3** Uncoloured test specimens and test specimens with the highest level of organic and inorganic pigment loading shall be tested and, if the test results yield the same flame test classification, all specimens with this colour range shall be considered representative of the range. If a material contains pigments which are known to affect the flammability characteristics, specimens containing these pigments shall also be tested. Thus the test specimens tested shall be those that

- a) contain no colouring;
- b) contain the highest level of organic pigments;
- c) contain the highest level of inorganic pigments;