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**Polimerni materiali – Razvoj in uporaba lestvice požarnih preskusov za proizvode iz polimernih materialov – 1. del: Splošno (ISO 15791-1:2002)**

Plastics - Development and use of intermediate-scale fire tests for plastics products - Part 1: General guidance (ISO 15791-1:2002)

Kunststoffe - Entwicklung und Anwendung von Brandprüfungen im mittleren Maßstab für Kunststoffherzeugnisse - Teil 1: Allgemeine Anleitung (ISO 15791-1:2002)

Plastiques - Développement et utilisation des essais au feu sur une échelle intermédiaire pour les produits plastiques - Partie 1: Principes directeurs généraux (ISO 15791-1:2002)

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**Ta slovenski standard je istoveten z: EN ISO 15791-1:2004**

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**ICS:**

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
83.080.01	Polimerni materiali na splošno	Plastics in general

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**EN ISO 15791-1**

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English version

**Plastics - Development and use of intermediate-scale fire tests  
for plastics products - Part 1: General guidance (ISO 15791-  
1:2002)**

Plastiques - Développement et utilisation des essais au feu  
sur une échelle intermédiaire pour les produits plastiques -  
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Kunststoffe - Entwicklung und Anwendung von  
Brandprüfungen im mittleren Maßstab für  
Kunststofferzeugnisse - Teil 1: Allgemeine Anleitung (ISO  
15791-1:2002)

This European Standard was approved by CEN on 21 June 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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COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

**EN ISO 15791-1:2004 (E)****Foreword**

The text of ISO 15791-1:2002 has been prepared by Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 15791-1:2004 by 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 January 2005, and conflicting national standards shall be withdrawn at the latest by January 2005.

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.

**Endorsement notice**

The text of ISO 15791-1:2002 has been approved by CEN as EN ISO 15791-1:2004 without any modifications.

NOTE Normative references to International Standards are listed in Annex ZA (normative).

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## Annex ZA (normative)

### Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 10093	1998	Plastics - Fire tests - Standard ignition sources	EN ISO 10093	1998
ISO 13943	2000	Fire safety - Vocabulary	EN ISO 13943	2000

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15791-1

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2002-08-01

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**Plastics — Development and use of  
intermediate-scale fire tests for plastics  
products —**

Part 1:  
**General guidance**

iTeh **STANDARD PREVIEW**

*Plastiques — Développement et utilisation des essais au feu sur une  
échelle intermédiaire pour les produits plastiques —*

*Partie 1: Principes directeurs généraux*

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**ISO 15791-1:2002(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 3.

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 part of ISO 15791 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 15791-1 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 4, *Burning behaviour*.

ISO 15791 consists of the following parts, under the general title *Plastics — Development and use of intermediate-scale fire tests for plastics products*:

- *Part 1: General guidance*
- *Part 2: Preparation and mounting of specimens*

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## Introduction

Products for many applications are made of or contain substantial proportions of plastics. The fire performance of a product depends on the materials from which it is made, the design of the product and its environment.

Industry needs to test products used for different applications for regulatory, quality control, development and pre-selection purposes.

Numerous regulations and regional, state and local codes make reference to combustibility tests and standards, and numerical material rankings derived from these tests are the most commonly available means of comparing the various combustion characteristics of products. More than one test and possibly intermediate- or full-scale tests may be necessary to qualify a plastic product for intended or proposed use or representative product end-use conditions.

It appears necessary to have a scaled-down test method as a screening or control test when this regulatory testing requires large apparatus with high cost.

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