
Test for sustained combustibility of liquids (ISO 9038:2002)

Test for sustained combustibility of liquids (ISO 9038:2002)

Prüfung der Weiterbrennbarkeit von Flüssigkeiten (ISO: 9038:2002)

Essai de combustion entretenue de liquides (ISO 9038:2002)

Ta slovenski standard je istoveten z: EN ISO 9038:2003[SIST EN ISO 9038:2004](https://standards.iteh.ai/catalog/standards/sist/26e57ae-cfa6-4e15-950b-bf6b27858550/sist-en-iso-9038-2004)<https://standards.iteh.ai/catalog/standards/sist/26e57ae-cfa6-4e15-950b-bf6b27858550/sist-en-iso-9038-2004>**ICS:**

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
87.040	Barve in laki	Paints and varnishes

SIST EN ISO 9038:2004**en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 9038

November 2003

ICS 13.220.40; 87.040

English version

Test for sustained combustibility of liquids (ISO 9038:2002)

Essai de combustion entretenue de liquides (ISO
9038:2002)

Prüfung der Weiterbrennbarkeit von Flüssigkeiten (ISO:
9038:2002)

This European Standard was approved by CEN on 3 November 2003.

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 Management Centre 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 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 9038:2003 (E)**Foreword**

The text of ISO 9038:2002 has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 9038:2003 by Technical Committee CEN/TC 139 "Paints and varnishes", the secretariat of which is held by DIN.

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 May 2004, and conflicting national standards shall be withdrawn at the latest by May 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 9038:2002 has been approved by CEN as EN ISO 9038:2003 without any modifications.

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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 1513	1992	Paints and varnishes - Examination and preparation of samples for testing	EN ISO 1513	1994
ISO 3170	1988	Petroleum liquids - Manual sampling	EN ISO 3170	1998
ISO 3171	1988	Petroleum liquids - Automatic pipeline sampling	EN ISO 3171	1999
ISO 15528	2000	Paints, varnishes and raw materials for paints and varnishes - Sampling	EN ISO 15528	2000

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INTERNATIONAL STANDARD

**ISO
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Test for sustained combustibility of liquids

Essai de combustion entretenue de liquides

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ISO 9038:2002(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.

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

International Standard ISO 9038 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

It cancels and replaces ISO/TR 9038:1991, which has been technically revised.

Annexes A and B form a normative part of this International Standard.

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Introduction

A product with a flash point within a given range may continue to burn after initial ignition, while a similar product, although it has a similar flash point, may not. This International Standard describes a method for discriminating between those products that, after ignition under controlled laboratory conditions and subsequent removal of the flame, sustain combustion and those which do not.

The method determines whether a flammable product, when maintained at a selected test temperature and under the conditions of test, gives off sufficient flammable vapour at this temperature to cause ignition when an external source of flame is applied in a standard manner, and continues to generate sufficient vapour to burn when the ignition source is removed.

This method of test does not determine the flash point of the product under test but, by means of a pass/fail procedure, merely determines if it sustains combustion at a selected test temperature, as may be required to comply with laws or regulations relating to the storage, transport and use of flammable products. Before performing this test, it will normally be necessary to determine either the actual flash point of the material or the temperature range in which the flash point is located.

The apparatus specified in this International Standard enables a result to be determined by a rapid procedure using a small test portion (2 ml).

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