

SLOVENSKI STANDARD

SIST EN 60695-2-12:2011

01-februar-2011

Nadomešča:

SIST EN 60695-2-12:2002

Preskušanje požarne ogroženosti - 2-12. del: Preskusne metode z žarilno žico - Preskusna metoda za materiale: indeks vnetljivosti z žarilno žico (GWFI) (IEC 60695-2-12:2010)

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials (IEC 60695-2-12:2010)

iTeh STANDARD PREVIEW

Prüfungen zur Beurteilung der Brandgefahr - Teil 2-12: Prüfverfahren mit dem Glühdraht - Prüfung mit dem Glühdraht zur Entflammbarkeit (GWFI) von Werkstoffen (IEC 60695-2-12:2010)

[SIST EN 60695-2-12:2011](https://standards.iteh.ai/catalog/standards/sist/bd93eee0-d327-4601-bcdd-16d8e2c79282/sist-en-60695-2-12-2011)

[https://standards.iteh.ai/catalog/standards/sist/bd93eee0-d327-4601-bcdd-](https://standards.iteh.ai/catalog/standards/sist/bd93eee0-d327-4601-bcdd-16d8e2c79282/sist-en-60695-2-12-2011)

Essais relatifs aux risques du feu - Partie 2-12: Essais au fil incandescent/chauffant - Méthode d'essai d'indice d'inflammabilité au fil incandescent (GWFI) pour matériaux (CEI 60695-2-12:2010)

Ta slovenski standard je istoveten z: EN 60695-2-12:2010

ICS:

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
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SIST EN 60695-2-12:2011

en

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[SIST EN 60695-2-12:2011](https://standards.iteh.ai/catalog/standards/sist/bd93eee0-d327-4601-bcdd-16d8e12e7038/sist-en-60695-2-12-2011)

<https://standards.iteh.ai/catalog/standards/sist/bd93eee0-d327-4601-bcdd-16d8e12e7038/sist-en-60695-2-12-2011>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60695-2-12

December 2010

ICS 13.220.40, 29.020

Supersedes EN 60695-2-12:2001

English version

**Fire hazard testing -
Part 2-12: Glowing/hot-wire based test methods -
Glow-wire flammability index (GWFI) test method for materials
(IEC 60695-2-12:2010)**

Essais relatifs aux risques du feu -
Partie 2-12: Essais au fil
incandescent/chauffant -
Méthode d'essai d'indice d'inflammabilité
au fil incandescent (GWFI) pour matériaux
(CEI 60695-2-12:2010)

Prüfungen zur Beurteilung der
Brandgefahr -
Teil 2-12: Prüfverfahren mit dem
Glühdraht -
Prüfung mit dem Glühdraht zur
Entflammbarkeit (GWFI) von Werkstoffen
(IEC 60695-2-12:2010)

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This European Standard was approved by CENELEC on 2010-12-01. CENELEC 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 CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 89/1017/FDIS, future edition 2 of IEC 60695-2-12, prepared by IEC TC 89, Fire hazard testing, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60695-2-12 on 2010-12-01.

This European Standard supersedes EN 60695-2-12:2001.

It has the status of a basic safety publication in accordance with IEC Guide 104 and ISO/IEC Guide 51.

This standard is to be used in conjunction with EN 60695-2-10 and EN 60695-2-13.

This EN 60695-2-12:2010 includes the following significant technical changes with respect to EN 60695-2-12:2001:

- modified title;
- addition of an Introduction;
- clarification of Scope;
- expansion of Clause 2: Normative references;
- definitions added to Clause 3;
- revision of Clause 4 to alignment with the EN 60695-11 series to introduce guidance on test programs for material variations;
- clarification of Clause 8: Conditioning (now Clause 7);
- deletion of Clause 9 “Initial measurements”;
- expansion of Clause 10: Test procedures (now Clause 8);
- expansion of Clause 11: Observation and measurement (now Clause 9);
- clarification of Clause 12: Evaluation of test results (now Clause 10);
- expansion of Clause 13: Test report (now Clause 11).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- | | | |
|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2011-09-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2013-12-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60695-2-12:2010 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60695-1-10	NOTE Harmonized as EN 60695-1-10.
IEC 60695-1-11	NOTE Harmonized as EN 60695-1-11.
IEC 60695-11 series	NOTE Harmonized in EN 60695-11 series (not modified).

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When 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/HD</u>	<u>Year</u>
IEC 60695-1-30	2008	Fire hazard testing - Part 1-30: Guidance for assessing the fire hazard of electrotechnical products - Preselection testing process - General guidelines	EN 60695-1-30	2008
IEC 60695-2-10	2000	Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	EN 60695-2-10	2001
IEC 60695-2-11	2000	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2001
IEC 60695-2-13	-	Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials	EN 60695-2-13	-
ISO/IEC Guide 51	1999	Safety aspects - Guidelines for their inclusion - in standards	-	-
IEC Guide 104	1997	The preparation of safety publications and the - use of basic safety publications and group safety publications	-	-
ISO 291	2008	Plastics - Standard atmospheres for conditioning and testing	EN ISO 291	2008
ISO 293	2004	Plastics - Compression moulding of test specimens of thermoplastic materials	EN ISO 293	2005
ISO 294	Series	Plastics - Injection moulding of test specimens of thermoplastic materials - Part 1: General principles, and moulding of multipurpose and bar test specimens	EN ISO 294	Series
ISO 295	2004	Plastics - Compression moulding of test specimens of thermosetting materials	EN ISO 295	2004
ISO 13943	2008	Fire safety - Vocabulary	EN ISO 13943	2010



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Edition 2.0 2010-10

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NORME INTERNATIONALE

BASIC SAFETY PUBLICATION

PUBLICATION FONDAMENTALE DE SÉCURITÉ

Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials

Essais relatifs aux risques du feu – Partie 2-12: Essais au fil incandescent/chauffant – Méthode d'essai d'indice d'inflammabilité au fil incandescent (GWFI) pour matériaux

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIRE HAZARD TESTING –

**Part 2-12: Glowing/hot-wire based test methods –
Glow-wire flammability index (GWFI) test method for materials**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60695-2-12 has been prepared by technical committee 89: Fire hazard testing.

This second edition of IEC 60695-2-12 cancels and replaces the first edition published in 2000. It also constitutes a technical revision.

It has the status of a basic safety publication in accordance with IEC Guide 104 and ISO/IEC Guide 51.

This standard is to be used in conjunction with IEC 60695-2-10 and IEC 60695-2-13.

The main changes with respect to the previous edition are listed below:

- modified title;
- addition of an Introduction;
- clarification of Scope;