

SLOVENSKI STANDARD

SIST EN IEC 60695-2-12:2022

01-januar-2022

Nadomešča:

SIST EN 60695-2-12:2011

SIST EN 60695-2-12:2011/A1:2015

Preskušanje požarne ogroženosti - 2-12. del: Preskusne metode z žarilno žico - Preskusna metoda za materiale: indeks vnetljivosti z žarilno žico (GWFI) (IEC 60695-2-12:2021)

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials (IEC 60695-2-12:2021)

Prüfungen zur Beurteilung der Brandgefahr - Teil 2-12: Prüfverfahren mit dem Glühdraht - Prüfung mit dem Glühdraht zur Entflammbarkeit (GWFI) von Werkstoffen (IEC 60695-2-12:2021)

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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 (IEC 60695-2-12:2021)

Ta slovenski standard je istoveten z: EN IEC 60695-2-12:2021

ICS:

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
29.020	Elektrotehnika na splošno	Electrical engineering in general

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EUROPEAN STANDARD

EN IEC 60695-2-12

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2021

ICS 13.220.40; 29.020

Supersedes EN 60695-2-12:2010 and all of its amendments and corrigenda (if any)

English Version

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials
(IEC 60695-2-12:2021)

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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Prüfungen zur Beurteilung der Brandgefahr - Teil 2-12: Prüfverfahren mit dem Glühdraht - Prüfung mit dem Glühdraht zur Entflammbarkeit (GWFI) von Werkstoffen
(IEC 60695-2-12:2021)

This European Standard was approved by CENELEC on 2021-11-12. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60695-2-12:2021 (E)**European foreword**

The text of document 89/1537/FDIS, future edition 3 of IEC 60695-2-12, prepared by IEC/TC 89 “Fire hazard testing” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60695-2-12:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-08-12 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-11-12 document have to be withdrawn

This document supersedes EN 60695-2-12:2010 and all of its amendments and corrigenda (if any).

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

Any feedback and questions on this document should be directed to the users’ national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

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The text of the International Standard IEC 60695-2-12:2021 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 60695-2-11 NOTE Harmonized as EN 60695-2-11

IEC 60695-1-30 NOTE Harmonized as EN 60695-1-30

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60695-2-10	-	Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	EN 60695-2-10	-
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 IEC 60695-2-13	-
IEC 60695-4	2021	Fire hazard testing - Part 4: Terminology concerning fire tests for electrotechnical products	EN IEC 60695-4	2021
ISO 291	2008	Plastics - Standard atmospheres for conditioning and testing	EN ISO 291	2008
ISO 293	-	Plastics - Compression moulding of test specimens of thermoplastic materials	EN ISO 293	-
ISO 294	series	Plastics - Injection moulding of test specimens of thermoplastic materials	EN ISO 294	series
ISO 295	-	Plastics - Compression moulding of test specimens of thermosetting materials	EN ISO 295	-
ISO 13943	2017	Fire safety - Vocabulary	EN ISO 13943	2017

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IEC 60695-2-12

Edition 3.0 2021-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

HORIZONTAL PUBLICATION
PUBLICATION HORIZONTALE

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

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 13.220.40; 29.020

ISBN 978-2-8322-1011-1

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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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IEC 60695-2-12 has been prepared by IEC technical committee 89: Fire hazard testing. It is an International Standard.

This third edition cancels and replaces the second edition published in 2010 and Amendment 1:2014. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) New terms and definitions with regards to times and durations have been added to Clause 3, with an effect on the application of the test method.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
89/1537/FDIS	89/1545/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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

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

A list of all the parts in the IEC 60695 series, under the general title *Fire hazard testing*, can be found on the IEC web site.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, <https://standards.iteh.ai/catalog/standards/sist/8cba7b1a-cb69-4cd7-b704-0e06cb079fd/sist-en-iec-60695-2-12-2022>
- replaced by a revised edition, or
- amended.