

**SLOVENSKI STANDARD
SIST EN 61249-2-42:2010****01-september-2010**

**Materiali za plošče tiskanih vezij in druge povezovalne strukture - 2-42. del:
Pokovinjeni in nepokovinjeni ojačeni osnovni materiali - Z bakrom pokovinjeni
laminat z določeno gorljivostjo (navpični preskus gorljivosti), ki ima jedro ojačeno
z bromiranim epoksidom in površino z netkanim/tkanim E-stekлом za sestavljanje
brez svinca (IEC 61249-2-42:2010)**

Materials for printed boards and other interconnecting structures - Part 2-42: Reinforced base materials clad and unclad - Brominated epoxide non-woven / woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-42:2010)

Materialien für Leiterplatten und andere Verbindungsstrukturen - Teil 2-42: Kaschierte und unkaschierte verstärkte Basismaterialien - Kupferkaschierte mit E-Glaswirrfaser-Innenlagen und E-Glasgewebe-Außenlagen verstärkte Laminattafeln auf der Basis von bromhaltigem Epoxidharz mit definierter Brennbarkeit (Brennprüfung mit vertikaler Prüflingslage) für bleifreie Bestückungstechnik (IEC 61249-2-42:2010)

Matériaux pour circuits imprimés et autres structures d'interconnexion - Partie 2-42: Matériaux de base renforcés, plaqués et non plaqués - Feuilles stratifiées renforcées en verre de type E époxyde bromé, tissé/non-tissé, d'inflammabilité définie (essai de combustion verticale), plaquées cuivre pour les assemblages sans plomb (CEI 61249-2-42:2010)

Ta slovenski standard je istoveten z: EN 61249-2-42:2010

ICS:

31.180 Tiskana vezja (TIV) in tiskane Printed circuits and boards plošče

SIST EN 61249-2-42:2010**en**

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**EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM**

EN 61249-2-42

May 2010

ICS 31.180

English version

**Materials for printed boards and other interconnecting structures -
Part 2-42: Reinforced base materials clad and unclad -
Brominated epoxide non-woven / woven E-glass reinforced laminate
sheets of defined flammability (vertical burning test),
copper-clad for lead-free assembly
(IEC 61249-2-42:2010)**

Matériaux pour circuits imprimés et autres structures d'interconnexion -
Partie 2-42: Matériaux de base renforcés, plaqués et non plaqués -
Feuilles stratifiées renforcées en verre de type E époxyde bromé, tissé/non-tissé, d'inflammabilité définie (essai de combustion verticale), plaquées cuivre pour les assemblages sans plomb
(CEI 61249-2-42:2010)

Materialien für Leiterplatten und andere Verbindungsstrukturen -
Teil 2-42: Kaschierte und unkaschierte verstärkte Basismaterialien - Kupferkaschierte mit E-Glaswirrfaser-Innenlagen und E-Glasgewebe-Außenlagen verstärkte Laminattafeln auf der Basis von bromhaltigem Epoxidharz mit definierter Brennbarkeit (Brennprüfung mit vertikaler Prüflingslage) für bleifreie Bestückungstechnik
(IEC 61249-2-42:2010)

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CENELEC

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

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Foreword

The text of document 91/912/FDIS, future edition 1 of IEC 61249-2-42, prepared by IEC TC 91, Electronics assembly technology, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61249-2-42 on 2010-05-01.

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) 2011-02-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-05-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61249-2-42:2010 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60194:2006 NOTE Harmonized as EN 60194:2006 (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 61189-2	2006	Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 2: Test methods for materials for interconnection structures	EN 61189-2	2006
IEC 61249-5-1	-	Materials for interconnection structures - Part 5: Sectional specification set for conductive foils and films with or without coatings - Section 1: Copper foils (for the manufacture of copper-clad base materials)	EN 61249-5-1	-
ISO 9000	-	Quality management systems - Fundamentals and vocabulary	EN ISO 9000	-
ISO 11014-1	-	Safety data sheet for chemical products - Part 1: Content and order of sections	-	-
ISO 14001	-	Environmental management systems - Requirements with guidance for use	EN ISO 14001	-

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Materials for printed boards and other interconnecting structures –
Part 2-42: Reinforced base materials clad and unclad – Brominated epoxide
non-woven/woven E-glass reinforced laminate sheets of defined flammability
(vertical burning test), copper-clad for lead-free assembly**

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**Matériaux pour circuits imprimés et autres structures d'interconnexion –
Partie 2-42: Matériaux de base renforcés plaqués et non plaqués – Feuilles
stratifiées renforcées en verre de type E époxyde bromé tissé/non tissé,
d'inflammabilité définie (essai de combustion verticale), plaquées cuivre pour
les assemblages sans plomb**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MATERIALS FOR PRINTED BOARDS
AND OTHER INTERCONNECTING STRUCTURES –****Part 2-42: Reinforced base materials clad and unclad –
Brominated epoxide non-woven/woven E-glass reinforced
laminate sheets of defined flammability (vertical burning test),
copper-clad for lead-free assembly****FOREWORD**

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International Standard IEC 61249-2-42 has been prepared by IEC technical committee 91: Electronics assembly technology.

The text of this standard is based on the following documents:

FDIS	Report on voting
91/912/FDIS	91/923/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 61249 series, under the general title *Materials for printed boards and other interconnecting structures*, can be found on the IEC website.

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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