

STN	Materiály na plošné spoje a ostatné prepájacie štruktúry Časť 2-52: Vystužené plátované a neplátované základné materiály Systém termosetovej uhl'ovodíkovej živice, laminátové dosky vystužené tkaným E-sklom s definovanou horľavosťou (skúška vertikálneho horenia) pokryté medenou fóliou	STN EN IEC 61249-2-52 34 6511
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Materials for printed boards and other interconnecting structures - Part 2-52: Reinforced base materials clad and unclad - Thermosetting hydrocarbon resin system, woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/26

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EUROPEAN STANDARD

EN IEC 61249-2-52

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2025

ICS 31.180

English Version

**Materials for printed boards and other interconnecting structures
- Part 2-52: Reinforced base materials clad and unclad -
Thermosetting hydrocarbon resin system, woven E-glass
reinforced laminate sheets of defined flammability (vertical
burning test), copper-clad
(IEC 61249-2-52:2025)**

Matériaux pour circuits imprimés et autres structures
d'interconnexion - Partie 2-52: Matériaux de base renforcés,
métallisés et non métallisés - Feuilles stratifiées renforcées
en tissu de verre de type E avec système de résines
d'hydrocarbure thermodurcissables, d'inflammabilité définie
(essai de combustion verticale), plaquées cuivre
(IEC 61249-2-52:2025)

Werkstoffe für Leiterplatten und andere
Verbindungsstrukturen - Teil 2-52: Kaschierte und
unkaschierte verstärkte Basismaterialien - Duroplastisches
Kohlenwasserstoffharzsystem, E-Glasgewebe verstärkte
Laminattafeln mit definierter Brennbarkeit (Brennprüfung mit
vertikaler Prüflingslage), kupferkaschiert
(IEC 61249-2-52:2025)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

EN IEC 61249-2-52:2025 (E)**European foreword**

The text of document 91/1977/CDV, future edition 1 of IEC 61249-2-52, prepared by TC 91 "Electronics assembly technology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61249-2-52:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2026-10-31
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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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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.cencenelec.eu.

<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 and without coatings - Section 1: Copper foils (for the manufacture of copper-clad base materials)	EN 61249-5-1	-
IEC 61249-6-3	-	Materials for printed boards and other interconnecting structures - Part 6-3: Sectional specification set for reinforcement materials - Specification for finished fabric woven from "E" glass for printed boards	EN IEC 61249-6-3	-
ISO 11014	2009	Safety data sheet for chemical products - Content and order of sections	-	-



IEC 61249-2-52

Edition 1.0 2025-09

INTERNATIONAL STANDARD

**Materials for printed boards and other interconnecting structures -
Part 2-52: Reinforced base materials clad and unclad - Thermosetting
hydrocarbon resin system, woven E-glass reinforced laminate sheets of defined
flammability (vertical burning test), copper-clad**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Materials for printed boards and other interconnecting structures -
Part 2-52: Reinforced base materials clad and unclad - Thermosetting
hydrocarbon resin system, woven E-glass reinforced laminate sheets of
defined flammability (vertical burning test), copper-clad**

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

Draft	Report on voting
91/1977/CDV	91/2043/RVC

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.

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

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/publications.

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1 Scope

This part of IEC 61249 gives requirements for properties of the thermosetting hydrocarbon resin system, woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad in thicknesses of 0,05 mm up to 3,20 mm.

2 Normative references

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IEC 61249-6-3, *Materials for printed boards and other interconnecting structures - Part 6-3: Sectional specification set for reinforcement materials - Specification for finished fabric woven from "E" glass for printed boards*

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