
Materiali za plošče tiskanih vezij in druge povezovalne strukture - 3-6. del: Nabor področnih specifikacij za ojačane podložne materiale, pokovinjene in nepokovinjene - Laminatne plošče z določeno vnetljivostjo, polnjene s politetrafluoretilenom (preskus navpične gorljivosti), z bakreno oblogo

Materials for printed boards and other interconnecting structures - Part 3-6: Sectional specification set for unreinforced base materials, clad and unclad - PTFE filled laminate sheets of defined flammability (vertical burning test), copper-clad

Materialien für Leiterplatten und andere Verbindungsstrukturen - Teil 3-6: Rahmenspezifikationen für unverstärkte Basismaterialien, kaschierte und unkaschierte ungefüllte PTFE-Laminatplatten mit definierter Brennbarkeit (Brennprüfung mit vertikaler Prüflingslage), kupferkaschiert

Matériaux pour circuits imprimés et autres structures d'interconnexion - Partie 3-6: Collection de spécifications intermédiaires pour matériaux de base non renforcés, métallisés et non métallisés - Feuilles stratifiées en PTFE avec charges d'inflammabilité définie (essai de combustion verticale), plaquées cuivre

Ta slovenski standard je istoveten z: EN IEC 61249-3-6:2026

ICS:

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

SIST EN IEC 61249-3-6:2026

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 61249-3-6

July 2026

ICS 31.180

English Version

Materials for circuit boards and other interconnecting structures -
Part 3-6: Sectional specification set for unreinforced base
materials clad and unclad - Polytetrafluoroethylene (PTFE) filled
laminate sheets of defined flammability (vertical burning test),
copper-clad
(IEC 61249-3-6:2026)

Matériaux pour circuits imprimés et autres structures
d'interconnexion - Partie 3-6: Collection de spécifications
intermédiaires pour matériaux de base non renforcés,
métallisés et non métallisés - Feuilles stratifiées en ptfe
avec charges d'inflammabilité définie (essai de combustion
verticale), plaquées cuivre
(IEC 61249-3-6:2026)

Materialien für Leiterplatten und andere
Verbindungsstrukturen - Teil 3 6:
Abschnittsspezifikationen für unverstärkte kaschierte und
unkaschierte Basismaterialien - PTFE gefüllte Laminattafeln
mit definierter Brennbarkeit (vertikale Brandprüfung),
kupferkaschiert
(IEC 61249-3-6:2026)

This European Standard was approved by CENELEC on 2026-06-23. 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.

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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 61249-3-6:2026 (E)**European foreword**

The text of document 91/2102/FDIS, future edition 1 of IEC 61249-3-6, prepared by TC 91 "Electronics assembly technology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61249-3-6:2026.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2027-07-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2029-07-31 document have to be withdrawn

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Endorsement notice

The text of the International Standard IEC 61249-3-6:2026 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 standard indicated:

IEC 60695-11-10	NOTE	Approved as EN 60695-11-10
ISO 9001:2015	NOTE	Approved as EN ISO 9001:2015 (not modified)

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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61189-2	-	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	-
IEC 61189-2-721	-	Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 2-721: Test methods for materials for interconnection structures - Measurement of relative permittivity and loss tangent for copper clad laminate at microwave frequency using a split post dielectric resonator	EN 61189-2-721	-
IEC 61189-2-803	-	Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 2-803: Test methods for Z-axis expansion of base materials and printed boards	EN IEC 61189-2-803	-
IEC 61189-2-805	-	Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 2-805: X/Y CTE test for thin base materials by TMA	EN IEC 61189-2-805	-
IEC 61189-2-807	-	Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 2-807: Test methods for materials for interconnection structures - Decomposition temperature (Td) using TGA	EN IEC 61189-2-807	-
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	-
ISO 11014	-	Safety data sheet for chemical products - Content and order of sections	-	-
IPC-TM-650 TM 2.5.5.5	-	Stripline Test for Permittivity and Loss Tangent (Dielectric Constant and Dissipation Factor) at X-Band	-	-

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INTERNATIONAL STANDARD

**Materials for circuit boards and other interconnecting structures -
Part 3-6: Sectional specification set for unreinforced base materials clad and
unclad - Polytetrafluoroethylene (PTFE) filled laminate sheets of defined
flammability (vertical burning test), copper-clad**

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