



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61249-4-12:2005

ICS 31.180

**MATERIALS FOR PRINTED BOARDS AND
OTHER INTERCONNECTING STRUCTURES
-- PART 4-12: SECTIONAL SPECIFICATION
SET FOR PREPREG MATERIALS, UNCLAD
- NON-HALOGENATED MULTIFUNCTIONAL
EPOXIDE WOVEN E-GLASS PREPREG OF
DEFINED FLAMMABILITY**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
<http://www.standards.ie>

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EUROPEAN STANDARD

EN 61249-4-12

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2005

ICS 31.180

English version

**Materials for printed boards and other interconnecting structures
Part 4-12: Sectional specification set for prepreg materials, unclad –
Non-halogenated multifunctional epoxide woven E-glass
prepreg of defined flammability
(IEC 61249-4-12:2005)**

Matériaux pour circuits imprimés et autres
structures d'interconnexion
Partie 4-12: Série de spécifications
intermédiaires pour matériaux
préimprégnés, non plaqués –
Tissu de verre époxyde préimprégné
multifonctionnel de type E non halogéné,
d'inflammabilité définie
(CEI 61249-4-12:2005)

Materialien für Leiterplatten und andere
Verbindungsstrukturen
Teil 4-12: Rahmenspezifikationen für
unkaschierte Prepreg-Materialien –
Mit E-Glasgewebe verstärkte Prepregs
auf der Basis von halogenfreiem
multifunktionalem Epoxidharz mit
definierter Brennbarkeit
(IEC 61249-4-12:2005)

This European Standard was approved by CENELEC on 2005-09-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 91/529/FDIS, future edition 1 of IEC 61249-4-12, prepared by IEC TC 91, Electronics assembly technology, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61249-4-12 on 2005-09-01.

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) | 2006-07-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2008-09-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61249-4-12:2005 was approved by CENELEC as a European Standard without any modification.

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 Where 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	1997	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 + corr. August 1997	1997
A1	2000		A1	2000
IEC 61249-2-7	2002	Materials for printed boards and other interconnecting structures Part 2-7: Reinforced base materials, clad and unclad - Epoxide woven E-glass laminated sheet of defined flammability (vertical burning test), copper-clad	EN 61249-2-7 + corr. September 2005	2002
IEC 61249-6-3	- 1)	Materials for interconnection structures Section 6-3: Sectional specification for reinforcements - Part 3: Woven fibreglass fabrics	-	-
IEC 62326-4	- 2)	Printed boards Part 4: Rigid multilayer printed boards with interlayer connections - Sectional specification	EN 62326-4	1997 3)
ISO 9000	2000	Quality management systems - Fundamentals and vocabulary	EN ISO 9000	2000
ISO 11014-1	1994	Safety data sheet for chemical products Part 1: Content and order of sections	-	-

1) In preparation.

2) Undated reference.

3) Valid edition at date of issue.

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