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National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61189-2:2006

ICS 31.180

TEST METHODS FOR ELECTRICAL MATERIALS, PRINTED BOARDS AND OTHER INTERCONNECTION STRUCTURES AND ASSEMBLIES -- PART 2: TEST METHODS FOR MATERIALS FOR INTERCONNECTION STRUCTURES (IEC 61189-2:2006 (EQV))

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

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

Sales
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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61189-2

September 2006

ICS 31.180

Supersedes EN 61189-2:1997 + A1:2000

English version

Test methods for electrical materials, printed boards and other interconnection structures and assemblies Part 2: Test methods for materials for interconnection structures

(IEC 61189-2:2006)

Méthodes d'essais pour les matériaux électriques, les cartes imprimées et autres structures d'interconnexion et ensembles
Partie 2: Méthodes d'essai des matériaux pour structures d'interconnexion
(CEI 61189-2:2006)

Prüfverfahren für Elektromaterialien, Leiterplatten und andere Verbindungsstrukturen und Baugruppen
Teil 2: Prüfverfahren für Materialien für Verbindungsstrukturen
(IEC 61189-2:2006)

This European Standard was approved by CENELEC on 2006-09-01. 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, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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

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Ref. No. EN 61189-2:2006 E

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Foreword

The text of document 91/564/FDIS, future edition 2 of IEC 61189-2, prepared by IEC TC 91, Electronics assembly technology, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61189-2 on 2006-09-01.

This European Standard supersedes EN 61189-2:1997 + A1:2000.

The significant technical changes with respect to EN 61189-2:1997 + A1:2000 concern the addition of several new tests in the following categories:

- C: Chemical test methods
- D: Dimensional test methods
- E: Electrical test methods
- M: Mechanical test methods
- N: Environmental test methods
- X: Miscellaneous test methods

This standard forms part of a series and should be used in conjunction with other parts in the same series, under the main title *Test methods for electrical materials, interconnection structures and assemblies:*

Part 1: General test methods and methodology

Part 2: Test methods for materials for interconnection structures

Part 3: Test methods for interconnection structures (printed boards)

Part 4: Test methods for electronic components assembling characteristics

Part 5: Test methods for printed board assemblies

Part 6: Test methods for materials used in electronic assemblies

It should also be read in conjunction with EN 60068, Environmental testing.

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)	2007-06-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2009-09-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61189-2:2006 was approved by CENELEC as a European Standard without any modification.

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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.

Publication	Year	Title	EN/HD	Year
IEC 60068-1	1988	Environmental testing Part 1: General and guidance	EN 60068-1[1)]	1994
IEC 60068-2-2	1974	Environmental testing Part 2: Tests - Tests B: Dry heat	EN 60068-2-2[2)]	1993
IEC 60068-2-78	2001	Environmental testing Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	2001
IEC 60093	1980	Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials	HD 429 S1	1983
IEC 60243-1	1998	Electrical strength of insulating materials - Test methods Part 1: Tests at power frequencies	EN 60243-1	1998
IEC 61189-3	1997	Test methods for electrical materials, printed boards and other interconnection structures and assemblies Part 3: Test methods for interconnection structures (printed boards)	EN 61189-3	1997
ISO 3274	1996	Geometrical Product Specifications (GPS) - Surface texture: Profile method - Nominal characteristics of contact (stylus) instruments	EN ISO 3274	1997
ISO 9001	2000	Quality management systems - Requirements	EN ISO 9001	2000
ANSI/UL-94	1993	Standard for tests for flammability of plastic materials for parts in devices and aplliances	-	-

[1)] EN 60068-1 includes corrigendum October 1988 + A1:1992 to IEC 60068-1.

[2)] EN 60068-2-2 includes Supplement A:1976 to IEC 60068-2-2.

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