



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61189-6:2006

ICS 31.180

**TEST METHODS FOR ELECTRICAL
MATERIALS, INTERCONNECTION
STRUCTURES AND ASSEMBLIES -- PART
6: TEST METHODS FOR MATERIALS USED
IN MANUFACTURING ELECTRONIC
ASSEMBLIES (IEC 61189-6:2006 (EQV))**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61189-6

August 2006

ICS 31.180

English version

**Test methods for electrical materials,
interconnection structures and assemblies
Part 6: Test methods for materials used in
manufacturing electronic assemblies
(IEC 61189-6:2006)**

Méthodes d'essais pour les matériaux
électriques, les structures
d'interconnexion et les ensembles
Partie 6: Méthodes d'essais pour
les matériaux utilisés dans la fabrication
des assemblages électroniques
(CEI 61189-6:2006)

Prüfverfahren für Elektromaterialien,
Verbindungsstrukturen und Baugruppen
Teil 6: Prüfverfahren für Materialien,
die bei der Herstellung elektronischer
Baugruppen eingesetzt werden
(IEC 61189-6:2006)

This European Standard was approved by CENELEC on 2006-08-01. 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

Foreword

The text of document 91/593/FDIS, future edition 1 of IEC 61189-6, prepared by IEC TC 91, Electronics assembly technology, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61189-6 on 2006-08-01.

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) 2007-05-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2009-08-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61189-6:2006 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 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 60068-1	1988	Environmental testing Part 1: General and guidance	EN 60068-1 ¹⁾	1994
IEC 61189-1	- ²⁾	Test methods for electrical materials, interconnection structures and assemblies Part 1: General test methods and methodology	EN 61189-1	1997 ³⁾
IEC 61190-1-1	- ²⁾	Attachment materials for electronic assembly Part 1-1: Requirements for soldering fluxes for high-quality interconnections in electronics assembly	EN 61190-1-1	2002 ³⁾
IEC 61190-1-3	- ²⁾	Attachment materials for electronic assembly Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications	EN 61190-1-3	2002 ³⁾
ISO 9001	- ²⁾	Quality management systems - Requirements	EN ISO 9001	2000 ³⁾
ISO 9455	Series	Soft soldering fluxes - Test methods	EN ISO 9455	Series

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

²⁾ Undated reference.

³⁾ Valid edition at date of issue.

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