

Base materials for printed circuits —

Part 2: Specifications —

Specification No. 16: Polyimide woven glass fabric copper-clad laminated sheet of defined flammability (vertical burning test)

The European Standard EN 60249-2-16:1993 with the incorporation of amendments A1:1994, A2:1995 and A3:2000 has the status of a British Standard

ICS 31.180

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Electronic Components Standards Policy Committee (ECL/-) to Technical Committee ECL/19, upon which the following bodies were represented:

- British Telecommunications plc
- EEA (the Association of Electronics, Telecommunications and Business Equipment Industries)
- Electrical and Electronic Insulation Association (BEAMA Ltd.)
- Electronic Components Industry Federation
- GAMBICA (BEAMA Ltd.)
- Institute of Metal Finishing
- Ministry of Defence
- National Supervising Inspectorate
- Surface Mount and Related Technologies (Smart Group) Ltd.

This British Standard, having been prepared under the direction of the Electronic Components Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 September 1992

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The following BSI references relate to the work on this standard:
Committee reference ECL/19
Draft for comment 89/27822 DC

ISBN 0 580 21174 6

Amendments issued since publication

Amd. No.	Date	Comments
8015	November 1993	
8426	December 1994	
9533	August 1997	
13072	June 2001	Indicated by a sideline

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National foreword

This Section of BS EN 60249 has been prepared by Subcommittee EPL/52 (formerly ECL/19), and is the English language version of EN 60249-2-16:1993, *Base materials for printed circuits — Part 2: Specifications — Specification No. 16: Polyimide woven glass fabric copper-clad laminated sheet of defined flammability (vertical burning test)*, including amendments A1:1994, A2:1995 and A3:2000, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 60249-2-16:1992, including amendments 1:1993, 2:1994 and 3:2000, published by the International Electrotechnical Commission (IEC).

Cross-references

Attention is drawn to the fact that CEN and CENELEC Standards normally include an annex which lists normative references to international publications with their corresponding European publications. The British Standards which implement these international or European publications may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover and a back cover.

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UDC 621.3.049.75: 678.686-419: 620.1

Descriptors: Printed circuits, base materials, laminated sheet, woven glass fabric, polyimide, defined flammability, vertical burning

English version

Base materials for printed circuits —
Part 2: Specifications —
Specification No. 16: Polyimide woven glass fabric
copper-clad laminated sheet of defined flammability
(vertical burning test)

(including amendments A1:1994, A2:1995 and A3:2000)
(IEC 60249-2-16:1992 + A1:1993 + A2:1994 + A3:2000)

Matériaux de base pour circuits imprimés —
Partie 2: Spécifications —
Spécification No. 16: Feuille de stratifié en tissu
de verre polyimide recouverte de cuivre,
d'inflammabilité définie (essai de combustion
verticale)
(inclut les amendements A1:1994, A2:1995 et
A3:2000)
(CEI 60249-2-16:1992 + A1:1993 + A2:1994
+ A3:2000)

Basismaterialien für gedruckte Schaltungen —
Teil 2: Einzelbestimmungen —
Einzelbestimmung Nr. 16: Kupferkaschierte
Polyimid-Glashartgewebetafeln definierter
Brennbarkeit (Brennprüfung mit vertikaler
Probenlage)
(enthält Änderungen A1:1994, A2:1995 und
A3:2000)
(IEC 60249-2-16:1992 + A1:1993 + A2:1994
+ A3:2000)

This European Standard was approved by CENELEC on 1993-07-06; amendment A1 was approved by CENELEC on 1994-01-08, amendment A2 was approved by CENELEC on 1995-09-20 and amendment A3 was approved by CENELEC on 2000-09-01. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

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Ref. No. EN 60249-2-16:1993 + A1:1994 + A2:1995 + A3:2000 E



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Foreword

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 60249-2-16:1992 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60249-2-16 on 6 July 1993.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1994-08-01
- latest date of withdrawal of conflicting national standards (dow) 1994-08-01

Annexes designated “normative” are part of the body of the standard. In this standard, Annex ZA is normative.

Foreword to amendment A1

At the request of the 76th Technical Board of CENELEC amendment 1:1993 to the International Standard IEC 60249-2-16:1992 was submitted to the CENELEC members for formal vote.

The text of the International Standard was approved by CENELEC as amendment A1 to EN 60249-2-16 on 8 January 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-03-15
- latest date of withdrawal of conflicting national standards (dow) 1995-03-15

Foreword to amendment A2

The text of amendment 2:1994 to the International Standard IEC 60249-2-16:1992, prepared by IEC TC 52, Printed circuits, was submitted to the formal vote and was approved by CENELEC as amendment A2 to EN 60249-2-16:1993 on 1995-09-20 without any modification.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-09-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1996-09-01

Foreword to amendment A3

The text of document 52/863/FDIS, future amendment 3 to IEC 60249-2-16:1992, prepared by IEC TC 52, Printed circuits, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A3 to EN 60249-2-16:1993 on 2000-09-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2001-06-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2003-09-01