BRITISH STANDARD

BS EN 61249-4-5: 2005

Materials for printed boards and other interconnecting structures —

Part 4-5: Sectional specification set for prepreg materials, unclad — Polyimide, modified or unmodified, woven E-glass prepreg of defined flammability

The European Standard EN 61249-4-5:2005 has the status of a British Standard

ICS 31.180

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI Documents
Document Sharing Hub
British Standards

Full document details: BS EN 61249-4-5:2005

National foreword

This British Standard is the official English language version of EN 61249-4-5:2005. It is identical with IEC 61249-4-5:2005.

The UK participation in its preparation was entrusted to Technical Committee EPL/501, Electronic assembly technology, which has the responsibility to:

— aid enquirers to understand the text;

— present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;

— monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled "International Standards Correspondence Index", or by using the "Search" facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 13 and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 1 February 2006

Amendments issued since publication

Amd. No.	Date	Comments

© BSI 1 February 2006

ISBN 0 580 47350 3

Documents
Document Sharing Hub

Full document details: BS EN 61249-4-5:2005

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61249-4-5

October 2005

ICS 31.180

English version

Materials for printed boards and other interconnecting structures Part 4-5: Sectional specification set for prepreg materials, unclad - Polyimide, modified or unmodified, woven E-glass prepreg of defined flammability

(IEC 61249-4-5:2005)

Matériaux pour circuits imprimés et autres structures d'interconnexion
Partie 4-5: Série de spécifications intermédiaires pour matériaux préimprégnés, non plaqués – Polyimide, modifié ou non modifié, tissu de verre préimprégné de type E d'inflammabilité définie
(CEI 61249-4-5:2005)

Materialien für Leiterplatten und andere Verbindungsstrukturen
Teil 4-5: Rahmenspezifikationen für unkaschierte Prepreg-Materialien – Mit E-Glasgewebe verstärkte Prepregs auf der Basis von modifiziertem oder unmodifiziertem Polyimidharz mit definierter Brennbarkeit
(IEC 61249-4-5:2005)

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

© 2005 CENELEC - All rights of exploitation in any form and by any means reserved worldwide for CENELEC members.

Ref. No. EN 61249-4-5:2005 E

AVA Documents
Document Sharing Hub

Full document details: BS EN 61249-4-5:2005

Foreword

The text of document 91/527/FDIS, future edition 1 of IEC 61249-4-5, prepared by IEC TC 91, Electronics assembly technology, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61249-4-5 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 61249-4-5:2005 was approved by CENELEC as a European Standard without any modification.

Documents
Document Sharing Hub

Full document details: BS EN 61249-4-5:2005

CONTENTS

1 Scope 4
2 Normative references 4
3 Materials and construction 5
3.1 Reinforcement 5
3.2 Resin system 5
4 Properties 5
4.1 Properties related to the appearance of the prepreg 5
4.2 Properties related to B-stage prepreg 6
4.3 Properties related to prepreg after curing 7
5 Delivery form 8
5.1 Rolls 8
5.2 Sheets 8
5.3 Cut panels 9
6 Quality assurance 9
6.1 Quality system 9
6.2 Responsibility for inspection 9
6.3 Qualification inspection 9
6.4 Quality conformance inspection 9
6.5 Certificate of conformance 9
6.6 Safety data sheet 9
7 Packaging and marking 10
8 Shelf life 10
9 Ordering information 10

Bibliography 12

Annex ZA (normative) – Normative references to international publications with their corresponding European publications 13

Table 1 – Flammability 8

Documents
Document Sharing Hub

Full document details: BS EN 61249-4-5:2005