

JAPANESE INDUSTRIAL STANDARD

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JIS C 6484:2005

(JPCA)

Base materials for printed circuits— Epoxide woven E-glass laminated sheet of defined flammability (vertical burning test)

ICS 31.180

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee, as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Printed Circuit Association (JPCA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently JIS C 6484:1997 (revised) and JIS C 6486:1996 (withdrawn and integrated) are replaced with this Standard.

This revision has been made based on 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 and IEC 61249-2-8:2003 Materials for printed boards and other interconnecting structures—Part 2-8: Reinforced base materials clad and unclad—Modified brominated epoxide woven fibreglass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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In the event of any doubts arising as to the contents, the original JIS is to be the final authority.

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Introduction This Japanese Industrial Standard has been prepared based on the first edition of IEC 61249-2-7 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 published in 2002 and the first edition of IEC 61249-2-8 Materials for printed boards and other interconnecting structures—Part 2-8: Reinforced base materials clad and unclad—Modified brominated epoxide woven fibreglass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad published in 2003 with some modifications of the technical contents of the original International Standards.

The portions given dotted underlines are the matters in which the contents of the original International Standards have been modified. A list of modification with the explanation is given in annex 1 (informative).

- 1 Scope This Standard gives requirements for properties of epoxide woven E-glass laminated sheet 0.05 mm up to 3.2 mm, of defined flammability (vertical burning test), copper-clad hereafter referred to as copper-clad laminated sheet.
- 2 Classification In this Standard, copper-clad laminated sheets are classified by the glass transition temperature <u>as shown in table 1</u>. Some property requirements which have several classes (coarse, fine, extra-fine) of performance shall be specified according to the agreement between the parties concerned with delivery.

Table 1 Classification of copper-clad laminates

Class	Glass transition temperature $(^{\circ}\!$	Information Corresponding International Standard
GE4F	120 min.	(IEC 61249-2-7)
CE2F	150 to 190	(IEC 61249-2-8)

Information: The class (GE2F, 4F) is not specified in the original International Standard (IEC 61249-2-7, IEC 61249-2-8), however, the designations used in the former JIS C 6484: 1997 have been used for clarifying the

<u>division.</u>

Remarks: The International Standards corresponding to this Standard are as follows

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and JIS are IDT (identical), MOD (modified), and NEQ (not equivalent) according