

# INTERNATIONAL STANDARD

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**Materials for printed boards and other interconnecting structures -  
Part 2-52: Reinforced base materials clad and unclad - Thermosetting  
hydrocarbon resin system, woven E-glass reinforced laminate sheets of defined  
flammability (vertical burning test), copper-clad**



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## CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	5
4 Materials and construction.....	5
4.1 General.....	5
4.2 Resin system.....	5
4.3 Metal foil.....	5
4.4 Reinforcement.....	6
5 Internal marking.....	6
6 Electrical properties.....	6
7 Non-electrical properties of the copper-clad laminate.....	7
7.1 Appearance of the copper-clad sheet.....	7
7.1.1 General.....	7
7.1.2 Indentations (pits and dents).....	7
7.1.3 Wrinkles.....	7
7.1.4 Scratches.....	7
7.1.5 Raised areas.....	8
7.1.6 Surface waviness.....	8
7.2 Appearance of the unclad face.....	8
7.3 Laminate thickness.....	8
7.4 Bow and twist.....	8
7.5 Properties related to the copper foil bond.....	9
7.6 Thermal stress.....	10
7.7 Solderability.....	10
7.8 Punching and machining.....	10
7.9 Dimensional stability.....	10
7.10 Sheet sizes.....	11
7.10.1 Typical sheet sizes.....	11
7.10.2 Tolerances for sheet sizes.....	11
7.11 Cut panels.....	11
7.11.1 Cut panel sizes.....	11
7.11.2 Size tolerances for cut panels.....	11
7.11.3 Rectangularity of cut panels.....	11
8 Non-electrical properties of the base material after complete removal of the copper foil.....	12
8.1 Appearance of the dielectric base material.....	12
8.2 Flexural strength.....	12
8.3 Flammability.....	13
8.4 Water absorption.....	13
8.5 Measling.....	14
8.6 Glass transition temperature and cure factor.....	14
8.7 Decomposition temperature.....	14
8.8 Time to delamination (TMA).....	14
8.9 Z-axis expansion.....	14
8.10 X/Y-axis expansion.....	15

8.11	Thermal conductivity .....	15
9	Quality assurance .....	15
9.1	Quality system.....	15
9.2	Responsibility for inspection .....	15
9.3	Qualification inspection .....	15
9.3.1	General.....	15
9.3.2	Sampling plan.....	15
9.3.3	Frequency.....	15
9.3.4	Judgment rules.....	16
9.4	Quality conformance inspection.....	17
9.4.1	General.....	17
9.4.2	Inspection lot.....	17
9.4.3	Test of Group A .....	17
9.4.4	Test of Group B .....	17
9.4.5	Test of Group C .....	17
9.4.6	Judgment Rules.....	17
9.4.7	Rejected lots .....	17
9.5	Certificate of conformance.....	17
9.6	Safety data sheet .....	17
10	Packaging and marking .....	18
11	Ordering information .....	18
Annex A (informative) Common laminate constructions.....		19
Bibliography.....		20
Table 1 – Electrical properties .....		6
Table 2 – Indentations .....		7
Table 3 – Nominal thickness and tolerance of metal-clad laminate.....		8
Table 4 – Bow and twist .....		9
Table 5 – Peel strength.....		9
Table 6 – Thermal stress.....		10
Table 7 – Solderability .....		10
Table 8 – Dimensional stability .....		10
Table 9 – Size tolerance for cut panels .....		11
Table 10 – Rectangularity of cut panels .....		11
Table 11 – Flexural strength .....		12
Table 12 – Flammability .....		13
Table 13 – Water absorption.....		13
Table 14 – Measling .....		14
Table 15 – Decomposition temperature requirements .....		14
Table 16 – Time to delamination requirements.....		14
Table 17 – Z-axis expansion requirements .....		14
Table 18 – X/Y-axis expansion requirements.....		15
Table 19 – Qualification and conformance inspection .....		16
Table A.1 – Thickness.....		19

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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IEC 61249-2-52 has been prepared by IEC technical committee 91: Electronics assembly technology. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
91/1977/CDV	91/2043/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

A list of all parts in the IEC 61249 series, published under the general title *Materials for printed boards and other interconnecting structures*, can be found on the IEC website.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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## 1 Scope

This part of IEC 61249 gives requirements for properties of the thermosetting hydrocarbon resin system, woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad in thicknesses of 0,05 mm up to 3,20 mm.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 61189-2:2006, *Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 2: Test methods for materials for interconnection structures*

IEC 61249-5-1, *Materials for interconnection structures - Part 5: Sectional specification set for conductive foils and films with and without coatings - Section 1: Copper foils (for the manufacture of copper-clad base materials)*

IEC 61249-6-3, *Materials for printed boards and other interconnecting structures - Part 6-3: Sectional specification set for reinforcement materials - Specification for finished fabric woven from "E" glass for printed boards*

ISO 11014:2009, *Safety data sheet for chemical products - Content and order of sections*