

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Test methods for electrical materials, printed board and other interconnection structures and assemblies –

Part 2-630: Test methods for materials for interconnection structures – Moisture absorption after pressure vessel conditioning

Méthodes d'essai pour les matériaux électriques, les cartes imprimées et autres structures d'interconnexion et ensembles –

Partie 2-630: Méthodes d'essai des matériaux pour structures d'interconnexion – Absorption d'humidité après conditionnement dans un récipient sous pression



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CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Terms and definitions	5
4 Preparation of test specimens	5
5 Test specimens	5
6 Test apparatus	6
7 Test procedure	6
8 Calculation	7
9 Report	7

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**TEST METHODS FOR ELECTRICAL MATERIALS, PRINTED BOARD AND
OTHER INTERCONNECTION STRUCTURES AND ASSEMBLIES –****Part 2-630: Test methods for materials for interconnection structures –
Moisture absorption after pressure vessel conditioning**

FOREWORD

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International Standard IEC 61189-2-630 has been prepared by IEC technical committee 91: Electronics assembly technology

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

CDV	Report on voting
91/1471/CDV	91/1503/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 61189 series, published under the general title *Test methods for electrical materials, printed board and other interconnection structures and assemblies*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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- withdrawn,
- replaced by a revised edition, or
- amended.

TEST METHODS FOR ELECTRICAL MATERIALS, PRINTED BOARD AND OTHER INTERCONNECTION STRUCTURES AND ASSEMBLIES –

Part 2-630: Test methods for materials for interconnection structures – Moisture absorption after pressure vessel conditioning

1 Scope

This document specifies a test method to determine the amount of water absorbed by metal-clad laminates after conditioning in a pressure vessel for 1 h, 2 h, 3 h, 4 h or 5 h.

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 60194, *Printed board design, manufacture and assembly – Terms and definitions*.

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60194 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

4 Preparation of test specimens

- a) The specimens shall be etched using any appropriate method.
- b) The edges of the test specimen shall be sanded smooth after etching.

5 Test specimens

- a) Specimens shall be copper-clad laminate.
- b) Specimens shall be cut not less than 25 mm from the edge of the sheet.
- c) A minimum of four specimens shall be tested.
- d) The test specimens used in this test shall be 50 mm ± 0,5 mm long by 50 mm ± 0,5 mm wide by the thickness of the material (unless otherwise specified).
- e) The test specimens shall be etched to remove the copper foil using any appropriate method.