

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Test procedure for thermal endurance of insulating resins and varnishes for
impregnation purposes – Electric breakdown methods**

**Méthode d'essai pour l'évaluation de l'endurance thermique des résines et
verniss isolants d'imprégnation – Méthodes de claquage électrique**





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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**TEST PROCEDURE FOR THERMAL ENDURANCE OF INSULATING
RESINS AND VARNISHES FOR IMPREGNATION PURPOSES –
ELECTRIC BREAKDOWN METHODS**

FOREWORD

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International Standard IEC 60370 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

This second edition cancels and replaces the first edition published in 1971. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) this document is now describing two methods, the existing one, following ASTM D1932 and new a method following the requirements of IEC 60455-2 and IEC 60464-2;
- b) the theoretical background and way of calculation were removed, and replaced by reference to IEC 60216;
- c) the layout and numbering system was updated;
- d) for better understanding and illustration purposes examples were added.

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

FDIS	Report on voting
15/812/FDIS	15/819/RVD

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.

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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INTRODUCTION

This document describes methods for thermal endurance testing. The methods described are in line with IEC 60216 (all parts). More information about the theory of thermal endurance, calculation methods and other possible methods can be found in IEC 60216 (all parts).