INTERNATIONAL STANDARD

IEC 60371-3-9

1995

AMENDMENT 1
2007-04

Amendment 1

Insulating materials based on mica –

Part 3:
Specifications for individual materials –
Sheet 9: Moulding micanite



Reference number
IEC 60371-3-9 Amend. 1:2007(E)

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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FOREWORD

This amendment has been prepared by IEC technical committee 15: Solid electrical insulating materials.

The text of this amendment is based on the following documents:

FDIS	Report on voting
15/362/FDIS	15/379/RVD

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

A bilingual version of this publication may be issued at a later date.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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- withdrawn,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

Throughout the text, add 60000 to each IEC standard reference number: for example replace IEC 371-3-2 by IEC 60371-3-2.

Page 5

INTRODUCTION

Replace the existing text by the following new text:

This part of IEC 60371 forms part of a series which deals with insulating materials built up from mica splittings or mica paper, with or without reinforcement, and with mica paper in its pure state for use in electrical equipment.

IEC 60371 consists of three parts under the main title *Insulating materials based on mica:*

Part 1: Definitions and general requirements

Part 2: Methods of test

Part 3: Specifications for individual materials

This standard contains one of the sheets comprising Part 3:

Sheet 9: Moulding micanite.

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Page 7

1 Scope

Insert the following new text:

Safety warning

It is the responsibility of the user of the methods contained or referred to in this document to ensure that they are used in a safe manner.

2 Normative references

Replace the whole of this clause by the following:

The following referenced documents are indispensable for the application 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 60243-1:1998, *Electrical strength of insulating materials – Test methods – Part 1: Tests at power frequencies*

IEC 60371-2:2004, *Specification for insulating materials based on mica – Part 2: Methods of test*

IEC 60371-3-2:2005, *Insulating materials based on mica – Part 3: Specifications for individual materials – Sheet 2: Mica paper*

IEC 60554-3-2:1983, *Specification for cellulosic papers for electrical purposes – Part 3: Specifications for individual materials – Sheet 2: Capacitor paper*

IEC 60674-3-2:1992, *Specification for plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 2: Requirements for balanced biaxially oriented polyethylene terephthalate (PET) films used for electrical insulation*

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4 Requirements: raw materials

4.1 Mica splittings

Replace the existing text by the following:

Mica splittings referred to in this specification shall comply with the requirements of IEC 60371-2.

5 Requirements: composition and tolerances

Replace the first paragraph of this subclause by the following new text:

When tested by the method of Clause 7 of IEC 60371-2, the composition of the products shall lie within the limits given in Table 1.

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6.3 Thickness

Replace the first paragraph of this subclause by the following new text:

The thickness when measured in accordance with 4.1.1 of IEC 60371-2 shall be within the appropriate limits given in Table 3.

7.1 Thermal endurance

Replace the first sentence of this subclause by the following new sentence:

This should be carried out in accordance with Clause 21 of IEC 60371-2.

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7.2 Electrical strength

Replace the first paragraph of this subclause by the following new text:

When tested by the method of Clause 16 of IEC 60371-2 with electrodes according to 4.1.1.1 (25/75 mm diameter) of IEC 60243-1, the electrical strength shall meet the requirements of Table 4.

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ISBN 2-8318-9099-3



ICS 29.035.50

Typeset and printed by the IEC Central Office
GENEVA, SWITZERLAND

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