

# INTERNATIONAL STANDARD

# IEC 60371-3-6

1992

AMENDMENT 1  
2006-09

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Amendment 1

**Specification for insulating materials  
based on mica –**

**Part 3:  
Specifications for individual materials –  
Sheet 6: Glass-backed mica paper with  
a B-stage epoxy resin binder**

[IEC 60371-3-6:1992/AMD1:2006](https://standards.iteh.ai/catalog/standards/iec/ad05e314-9482-4f49-bec6-e08d5c1f5dd6/iec-60371-3-6-1992-amd1-2006)

<https://standards.iteh.ai/catalog/standards/iec/ad05e314-9482-4f49-bec6-e08d5c1f5dd6/iec-60371-3-6-1992-amd1-2006>

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## FOREWORD

This amendment has been prepared by IEC technical committee 15: Standards on specifications for electrical insulating materials.

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

FDIS	Report on voting
15/333/FDIS	15/348/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.

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- withdrawn,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.

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Document Preview

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### INTRODUCTION

[IEC 60371-3-6:1992/AMD1:2006](https://standards.itih.ai/catalog/standards/iec/ad05e314-9482-4619-bec6-e08d5c1f5dd6/iec-60371-3-6-1992-amd1-2006)

<https://standards.itih.ai/catalog/standards/iec/ad05e314-9482-4619-bec6-e08d5c1f5dd6/iec-60371-3-6-1992-amd1-2006>  
*Replace the existing text by the following new text:*

This International Standard is one of a series which deals with insulating materials for use in electrical equipment built up from mica splittings or mica paper, with or without reinforcement, and with mica paper in its pure state.

The series consists of the following three parts:

- Part 1: Definitions and general requirements (IEC 60371-1)
- Part 2: Methods of test (IEC 60371-2)
- Part 3: Specifications for individual materials (IEC 60371-3)

This standard contains one of the sheets comprising part 3, as follows:

Sheet 6: Glass-backed mica paper with a B-stage epoxy resin binder.

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## 1 Scope

*Insert the following two paragraphs after the existing paragraphs:*

Materials which conform to this specification meet established levels of performance. However, the selection of materials by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

### **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 existing references by the following:*

IEC 60243-1:1998, *Electric 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*

## 3 Designation

[IEC 60371-3-6:1992/AMD1:2006](https://standards.iteh.ai/catalog/standards/iec/ad05e314-9482-4449-bec6-e08d5c1f5dd6/iec-60371-3-6-1992-amd1-2006)

<https://standards.iteh.ai/catalog/standards/iec/ad05e314-9482-4449-bec6-e08d5c1f5dd6/iec-60371-3-6-1992-amd1-2006>

*Replace the existing first two paragraphs by the following new paragraphs:*

When ordering materials to this specification, only the specification and type numbers need be quoted (see Table 1).

*Example:* IEC 60371-3-6: type 6.1.01

The type number is derived from:

- the specification sheet number 6
- followed by the sheet table number 1
- followed by the number of the product in the sheet table 01

Thus giving type number 6.1.01.

*The final paragraph and note remain unchanged.*

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**Table 1**

*Replace the title of Table 1 by the following new title:*

**Composition for calcinated muscovite mica paper (IEC 60371-3-2, classes 1 and 2)**

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**Table 2**

*Replace the title of Table 2 by the following new title:*

**Composition for uncalcinated muscovite and phlogopite mica papers (IEC 60371-3-2, classes 3 and 4)**

**4.1 Mica paper**

*Replace the text of this subclause by the following new text:*

Mica paper referred to in this specification shall comply with the requirements of IEC 60371-3-2.

**5 Requirements: compositions and tolerances**

*Replace the text of this clause 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 of Table 1 and 2 for the appropriate grade of mica paper.

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**6.3 Thickness**

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

Measure the thickness in accordance with Clause 4 of IEC 60371-2, using the apparatus given in 4.1.1 of that standard, making 10 measurements of one thickness of material.

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**6.7 Tensile strength**

*Replace the first paragraph by the following new paragraph:*

When tested by the method of Clause 8 in IEC 60371-2, the tensile strength in the warp and weft directions shall be as shown in Table 4.