

INTERNATIONAL STANDARD

IEC 60371-3-1

Third edition
2006-06

Specification for insulating materials based on mica –

Part 3: Specifications for individual materials – Sheet 1: Commutator separators and materials

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATION FOR INSULATING MATERIALS BASED ON MICA –**Part 3: Specifications for individual materials –
Sheet 1: Commutator separators and materials**

FOREWORD

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International Standard IEC 60371-3-1 has been prepared by IEC technical committee 15: Insulating materials.

This third edition of IEC 60371-3-1 replaces the second edition, published in 1984, and constitutes a technical revision.

The main changes with regard to the previous edition concern the modification of clause numbers to align with clause numbering in the latest edition of IEC 60371-2:2004.

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

FDIS	Report on voting
15/307/FDIS	15/330/RVD

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

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

The committee has decided that the contents of this 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- withdrawn,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.

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

INTRODUCTION

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 *Specification for 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, as follows:

Sheet 1: Commutator separators and materials

SPECIFICATION FOR INSULATING MATERIALS BASED ON MICA –

Part 3: Specifications for individual materials – Sheet 1: Commutator separators and materials

1 Scope

This sheet of IEC 60371-3 applies to several types of rigid materials based on mica splittings or mica paper for commutator separators. These products shall be made from muscovite or phlogopite mica, built up from mica splittings or mica paper by the use of a suitable bonding medium. They are supplied in the following forms:

- sheets in the dimensions in which they are pressed or after trimming;
- strips cut from sheets;
- commutator separators having the shapes and dimensions and in the conditions ordered by the user.

The normal manufacturing thicknesses lie between 0,3 mm and 2 mm.

Materials which conform to this specification meet established levels of performance.

However, the selection of material 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

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