

**Specification for insulating materials based on mica --
Part 3: Specifications for individual materials -- Sheet 1:
Commutator separators and materials**

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English version

Specification for insulating materials based on mica
Part 3: Specifications for individual materials -
Sheet 1: Commutator separators and materials
(IEC 60371-3-1:2006)

Spécification pour les matériaux isolants
à base de mica
Partie 3: Spécifications pour
matériaux particuliers -
Feuille 1: Matériaux pour entrelames
de collecteurs
(CEI 60371-3-1:2006)

Bestimmung für Isoliermaterialien
aus Glimmer
Teil 3: Bestimmungen für
einzelne Materialien -
Blatt 1: Kommutator-Isolierlamellen
und -Materialien
(IEC 60371-3-1:2006)

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 15/307/FDIS, future edition 3 of IEC 60371-3-1, prepared by IEC TC 15, Standards on specifications for electrical insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60371-3-1 on 2006-07-01.

This European Standard supersedes EN 60731-3-1:1995.

The main changes with regard to EN 60371-3-1:1995 concern the modification of clause numbers to align with clause numbering in EN 60371-2:2004.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2007-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60371-3-1:2006 was approved by CENELEC as a European Standard without any modification.

Annex ZA

Normative references to international publications with their corresponding European publications

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60371-2	2004	Specification for insulating materials based on mica Part 2: Methods of test	EN 60371-2	2004

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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

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

3 General requirements

The material as supplied shall be of uniform hardness, free from soft patches and foreign matter.

The bonding medium used shall be agreed between supplier and purchaser.

The materials, when tested in accordance with the methods given in IEC 60371-2, shall comply with the requirements of this publication.