SLOVENSKI STANDARD
SIST EN 60371-3-2:1998

01-junij-1998

Specification for insulating materials based on mica - Part 3: Specifications for individual materials - Sheet 2: Mica paper (IEC 60371-3-2:1991)

Specification for insulating materials based on mica -- Part 3: Specifications for individual materials -- Sheet 2: Mica paper

Bestimmung für Glimmererzeugnisse für elektrotechnische Zwecke -- Teil 3: Bestimmungen für einzelne Materialien -- Blatt 2: Glimmerpapier

Spécification pour les matériaux isolants à base de mica -- Partie 3: Spécifications pour matériaux particuliers -- Feuille 2: Papier de mica

Ta slovenski standard je istoveten z: **EN 60371-3-2:1995**

ICS:

29.035.10	Papirni in kartonski izolacijski materiali	Paper and board insulating materials
29.035.50	Materiali na podlagi sljude	Mica based materials

SIST EN 60371-3-2:1998 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60371-3-2

June 1995

ICS 29.040.20

Supersedes HD 352.3.2 S1:1993

Descriptors: Electrical insulating materials, electrical insulating paper, mica product, designation, classification, marking, on receipt, tests, dimensions, characteristics, data table

English version

Specification for insulating materials based on mica
Part 3: Specifications for individual materials
Sheet 2: Mica paper
(IEC 371-3-2:1991)

Spécification pour les matériaux isolants à base de mica
Partie 3: Spécifications pour matériaux particuliers
Feuille 2: Papier de mica
(CEI 371-3-2:1991)

Bestimmung für Glimmererzeugnisse für elektrotechnische Zwecke
Teil 3: Bestimmungen für einzelne Materialien
Blatt 2: Glimmerpapier
(IEC 371-3-2:1991)

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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

Publication	Year	Title	EN/HD	Year
IEC 371-1	1980	Specification for insulating materials based on mica Part 1: Definitions and general requirements	EN 60371-1	1995
IEC 371-2	1987[1)]	Part 2: Methods of test	-	-
IEC 554-2	1977	Specification for cellulosic papers for electrical purposes Part 2: Methods of test	-	-
IEC 589	1977	Methods of test for the determination of ionic impurities in electrical insulating materials by extraction with liquids	HD 381 S1	1979
ISO 534	1988	Paper and board Determination of thickness and apparent bulk density or apparent sheet density	-	-
ISO 536	1976	Paper and board Determination of grammage	-	-
ISO 3687	1976	Paper and board Determination of air resistance (Gurley)	-	-

1) IEC 371-2:1973 is harmonized as HD 352.2 S1:1978.

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Spécification pour les matériaux isolants à base de mica

Troisième partie:
Spécifications pour matériaux particuliers
Feuille 2: Papier de mica

Specification for insulating materials based on mica

Part 3:
Specifications for individual materials
Sheet 2: Mica paper

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATION FOR INSULATING MATERIALS BASED ON MICA

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FOREWORD

1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.

2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.

3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

4) The IEC has not laid down any procedure concerning marking as an indication of approval and has no responsibility when an item of equipment is declared to comply with one of its recommendations.

This International Standard has been prepared by Sub-Committee 15C: Specifications, of IEC Technical Committee No. 15: Insulating materials.

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

Six Months' Rule	Reports on Voting
15C(CO)203	15C(CO)225 15C(CO)225A

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

INTRODUCTION

This International Standard is one 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.

The series consists of the three following parts:

Part 1: Definitions and general requirements.

Part 2: Methods of test.

Part 3: Specifications for individual materials.

SPECIFICATION FOR INSULATING MATERIALS BASED ON MICA

Part 3: Specifications for individual materials
Sheet 2: Mica paper

1 Scope

This sheet deals with mica paper which is to be processed for built-up mica materials according to Part 1, such as rigid flat mica materials, flexible mica materials, curable flexible mica materials and shaped pieces.

2 References

2.1 *IEC publications*

371-1: 1980, *Specification for insulating materials based on mica, Part 1: Definitions and general requirements.*

371-2: 1987, *Specification for insulating materials based on mica, Part 2: Methods of test.*

554-2: 1977, *Specification for cellulosic papers for electrical purposes, Part 2: Methods of test.*

589: 1977, *Methods of test for the determination of ionic impurities in electrical insulating materials by extraction with liquids.*

2.2 *ISO standards*

534: 1988, *Paper and board - Determination of thickness and apparent bulk density or apparent sheet density.*

536: 1976, *Paper and board - Determination of grammage.*

3687, 1976, *Paper and board - Determination of air resistance (Gurley).*

3 General

3.1 *Classification and designation*

Mica papers are classified in several types depending on the nature of the mica minerals used and the manufacturing procedure. These types have different characteristics as regards thickness, mass per unit area and physical and chemical properties.

The nature of the mica minerals is designated by the symbols MPM or MPP, as follows:

MPM = mica paper, muscovite;

MPP = mica paper, phlogopite.