

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Vulcanized fibre for electrical purposes –
Part 1: Definitions and general requirements**

**Fibres vulcanisées à usages électriques –
Partie 1: Définitions et exigences générales**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

VULCANIZED FIBRE FOR ELECTRICAL PURPOSES –**Part 1: Definitions and general requirements**

FOREWORD

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International Standard IEC 60667-1 has been prepared by IEC Technical Committee 15: Solid electrical Insulating materials.

This second edition cancels and replaces the first edition published in 1980. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) deletion of "corrugated, round rods, and round tubes" from the Scope;
- b) types A, B and C replaced by general and fishpaper types and addition of a symbol for each type in the classification;
- c) addition of white, blue, brown, and addition of a symbol for each colour;
- d) deletion of the thickness of 15,0 mm, the length, the mass and the dimension of rolls from the general requirements;
- e) addition of the manufacturer's name, trademark (if any), nominal thickness, manufacture date, and lot number in the conditions of supply.

The text of this International Standard is based on the following documents:

CDV	Report on voting
15/878/CDV	15/893/RVC

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

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

A list of all parts in the IEC 60667 series, published under the general title *Vulcanized fibre for electrical purposes*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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- withdrawn,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

INTRODUCTION

This International Standard is one of a series which deals with vulcanized fibre sheets for electrical purposes.

The series consists of three parts:

Part 1: Definitions and general requirements (IEC 60667-1)

Part 2: Methods of test (IEC 60667-2)

Part 3: Specifications for individual materials (IEC 60667-3)

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VULCANIZED FIBRE FOR ELECTRICAL PURPOSES –

Part 1: Definitions and general requirements

1 Scope

This part of IEC 60667 gives the definitions and general requirements for vulcanized fibre sheets for electrical purposes. Materials made by combining with an adhesive several thicknesses of vulcanized fibre are not covered by this document.

Materials that conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application is 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 documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 60667-3 (all parts), *Vulcanized fibre for electrical purposes – Part 3: Specifications for individual materials*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

vulcanized fibre

superimposed layers of specially prepared paper, chemically treated (gelatinized) so that the laminae are virtually destroyed, with the production of a homogeneous mass of converted cellulose that will not delaminate after 30 min of immersion in boiling water

Note 1 to entry: It is supplied in the form of rolls or sheets.

4 Classification

4.1 General type

This type is considered as the general-purpose type. It possesses good physical and electrical properties and can be processed satisfactorily by punching.