



NSAI
Standards

Irish Standard
I.S. EN IEC 60667-3-1:2020

Vulcanized fibre for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Flat sheets

I.S. EN IEC 60667-3-1:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN IEC 60667-3-1:2020 is the adopted Irish version of the European Document EN IEC 60667-3-1:2020, Vulcanized fibre for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Flat sheets

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 60667-3-1

May 2020

ICS 29.035.10

Supersedes HD 416.3.1 S1:1988 and all of its
amendments and corrigenda (if any)

English Version

**Vulcanized fibre for electrical purposes - Part 3: Specifications
for individual materials - Sheet 1: Flat sheets
(IEC 60667-3-1:2020)**

Fibres vulcanisées à usages électriques - Partie 3:
Spécifications pour matériaux individuels - Feuille 1:
Feuilles planes
(IEC 60667-3-1:2020)

Vulkanfaser für elektrotechnische Zwecke - Teil 3:
Bestimmung für einzelne Werkstoffe - Blatt 1: Flache
Platten
(IEC 60667-3-1:2020)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60667-3-1:2020 (E)

European foreword

The text of document 15/880/CDV, future edition 2 of IEC 60667-3-1, prepared by IEC/TC 15 "Solid electrical insulating materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60667-3-1:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-01-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-04-29

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Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60667-1	-	Vulcanized fibre for electrical purposes - Part 1: Definitions and general requirements	-	-
IEC 60667-2	— ¹	Vulcanized fibre for electrical purposes. Part 2: Methods of test	-	-

¹ To be published. Stage at the time of publication: IEC FDIS 60667-2:2019.

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IEC 60667-3-1

Edition 2.0 2020-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Vulcanized fibre for electrical purposes –
Part 3: Specifications for individual materials – Sheet 1: Flat sheets**

**Fibres vulcanisées à usages électriques –
Partie 3: Spécifications pour matériaux individuels – Feuille 1: Feuilles planes**



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IEC 60667-3-1

Edition 2.0 2020-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Vulcanized fibre for electrical purposes –
Part 3: Specifications for individual materials – Sheet 1: Flat sheets**

**Fibres vulcanisées à usages électriques –
Partie 3: Spécifications pour matériaux individuels – Feuille 1: Feuilles planes**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

VULCANIZED FIBRE FOR ELECTRICAL PURPOSES –

**Part 3: Specifications for individual materials –
Sheet 1: Flat sheets**

FOREWORD

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International Standard IEC 60667-3-1 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

This second edition cancels and replaces the first edition published in 1986. This edition constitutes a technical revision.

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

- a) change to the range of thickness deviation in Table 1;
- b) addition of apparent density in Table 1;
- c) change to the range of thickness for tensile strength in Table 1;
- d) addition of flexibility and shrinkage in Table 1;
- e) change test method and property value of internal ply adhesion on Table 1.

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

CDV	Report on voting
15/880/CDV	15/894/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)

VULCANIZED FIBRE FOR ELECTRICAL PURPOSES –

Part 3: Specifications for individual materials – Sheet 1: Flat sheets

1 Scope

This part of IEC 60667 gives 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 60667-1, *Vulcanized fibre for electrical purposes – Part 1: Definitions and general requirements*

IEC 60667-2:—¹, *Specification for vulcanized fibre for electrical purposes – Part 2: Methods of Test*

3 Terms and definitions

No terms and definitions are listed in this document.

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>

4 Classification

The material shall be classified as general type or fishpaper type, as indicated in IEC 60667-1.

¹ Under preparation. Stage at the time of publication: IEC FDIS 60667-2:2019.

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