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EUROPEAN STANDARD

**EN IEC 60667-3-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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)

This European Standard was approved by CENELEC on 2020-04-29. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-04-29

This document supersedes HD 416.3.1 S1:1988 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

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The text of the International Standard IEC 60667-3-1:2020 was approved by CENELEC as a European Standard without any modification.

## 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](http://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	— <sup>1</sup>	Vulcanized fibre for electrical purposes. Part 2: Methods of test	-	-

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<sup>1</sup> 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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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## VULCANIZED FIBRE FOR ELECTRICAL PURPOSES –

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

## FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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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: