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

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 60667-3-1:2020 sisaldab Euroopa standardi EN IEC 60667-3-1:2020 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 60667-3-1:2020 consists of the English text of the European standard EN IEC 60667-3-1:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 22.05.2020.	Date of Availability of the European standard is 22.05.2020.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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EUROPEAN STANDARD

**EN IEC 60667-3-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2020

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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.

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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**

## 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.

## Endorsement notice

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

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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)

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## 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:—<sup>1</sup>, *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.

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