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Vulcanized fibre for electrical purposes - Part 2: Methods of test

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/20

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July 2020

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Supersedes HD 416.2 S1:1987 and all of its
amendments and corrigenda (if any)

English Version

**Vulcanized fibre for electrical purposes - Part 2: Methods of test
(IEC 60667-2:2020)**Fibres vulcanisées à usages électriques - Partie 2:
Méthodes d'essai
(IEC 60667-2:2020)Vulkanfaser für elektrotechnische Zwecke - Teil 2:
Prüfverfahren
(IEC 60667-2:2020)

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

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EN IEC 60667-2:2020 (E)**European foreword**

The text of document 15/911/FDIS, future edition 2 of IEC 60667-2, prepared by IEC/TC 15 "Solid electrical insulating materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60667-2:2020.

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) 2021-03-17
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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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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 60641-2	2004	Pressboard and presspaper for electrical purposes - Part 2: Methods of tests	EN 60641-2	2004
IEC 60667-3	series	Vulcanized fibre for electrical purposes - Part 3: Specifications for individual materials	EN IEC 60667-3	series
IEC 61621	1997	Dry, solid insulating materials - Resistance test to high-voltage, low-current arc discharges	EN 61621	1997
ISO 178	2019	Plastics - Determination of flexural properties	EN ISO 178	2019
ISO 287	2017	Paper and board - Determination of moisture content of a lot - Oven-drying method	EN ISO 287	2017



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Vulcanized fibre for electrical purposes –
Part 2: Methods of test**

**Fibres vulcanisées à usages électriques –
Partie 2: Méthodes d'essai**





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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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IEC 60667-2

Edition 2.0 2020-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Vulcanized fibre for electrical purposes –
Part 2: Methods of test**

**Fibres vulcanisées à usages électriques –
Partie 2: Méthodes d'essai**

INTERNATIONAL
ELECTROTECHNICAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

VULCANIZED FIBRE FOR ELECTRICAL PURPOSES –

Part 2: Methods of test

FOREWORD

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International Standard IEC 60667-2 has been prepared by IEC Technical Committee 15: Solid electrical insulating materials.

This second edition cancels and replaces the first edition published in 1982. This edition constitutes a technical revision.

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

- a) added Terms and definitions
- b) added General notes on tests
- c) added Thickness instead of dimension
- d) changed Apparent density from Density
- e) added Arc resistance
- f) deleted Sulphate content
- g) added method (Bending) for flexibility

- h) changed test method for internal ply adhesion
- i) added Shrinkage

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

FDIS	Report on voting
15/911/FDIS	15/919/RVD

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 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

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- amended.

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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 2: Methods of test

1 Scope

This part of IEC 60667 gives methods of test for vulcanized fibre sheets for electrical purposes. Material made by combining with an adhesive several thicknesses of vulcanized fibre is not covered by this document.

Materials which 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.

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IEC 60641-2:2004, *Pressboard and presspaper for electrical purposes – Part 2: Methods of tests*

IEC 60667-3 (all parts), *Specification for vulcanized fibre for electrical purposes – Part 3: Specifications for individual materials*

IEC 61621:1997, *Dry, solid insulating materials – Resistance test to high-voltage, low-current arc discharges*

ISO 178:2019, *Plastics – Determination of flexural properties*

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