

Specification for laminated pressboard - Part 2: Methods of test

Specification for laminated pressboard - Part 2:
Methods of test

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 60763-2:2007 sisaldab Euroopa standardi EN 60763-2:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.04.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 60763-2:2007 consists of the English text of the European standard EN 60763-2:2007.</p> <p>This document is endorsed on 27.04.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This part of IEC 60763 gives methods of test applicable for the material classified in IEC 60763-1.</p>	<p>Scope: This part of IEC 60763 gives methods of test applicable for the material classified in IEC 60763-1.</p>
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ICS 17.220.99, 29.035.10

Võtmesõnad:

English version

**Specification for laminated pressboard -
Part 2: Methods of test
(IEC 60763-2:2007)**

Spécification pour cartons comprimés
et contrecollés -
Partie 2: Méthodes d'essai
(CEI 60763-2:2007)

Bestimmung für Blockspan -
Teil 2: Prüfverfahren
(IEC 60763-2:2007)

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

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 15/360/FDIS, future edition 2 of IEC 60763-2, prepared by IEC TC 15, Solid electrical insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60763-2 on 2007-03-01.

This European Standard supersedes EN 60763-2:1996.

EN 60763-2:2007 includes the following significant technical changes with respect to EN 60763-2:1996:

- the standard has generally been revised editorially and brought into line with EN 60641-2;
- the test method for the determination of the internal ply strength has been replaced with an alternative method;
- the test method for the determination of the thermal resistance has been enlarged in its scope.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2007-12-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-03-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60763-2:2007 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 referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60243-1	1998	Electrical strength of insulating materials - Test methods - Part 1: Tests at power frequencies	EN 60243-1	1998
IEC 60247	2004	Insulating liquids - Measurement of relative permittivity, dielectric dissipation factor (tan d) and d.c. resistivity	EN 60247	2004
IEC 60250	1969	Recommended methods for the determination - of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including metre wavelengths	-	-
IEC 60296	2003	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear	EN 60296 + corr. September	2004 2004
IEC 60641-2	2004	Pressboard and presspaper for electrical purposes - Part 2: Methods of tests	EN 60641-2	2004
IEC 60763-1	1983	Specification for laminated pressboard - Part 1: Definitions, classification and general requirements	EN 60763-1	1996
IEC 61125 + corr. September	1992 1992	Unused hydrocarbon-based insulating liquids - Test methods for evaluating the oxidation stability	EN 61125	1993
IEC 62021-1	2003	Insulating liquids - Determination of acidity - Part 1: Automatic potentiometric titration	EN 62021-1	2003
ISO 287	1985	Paper and board - Determination of moisture content - Oven-drying method	EN 20287	1994
ISO 2144	1997	Paper, board and pulps - Determination of residue (ash) on ignition at 900 degrees C	-	-

INTERNATIONAL STANDARD

IEC
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Second edition
2007-02

Specification for laminated pressboard –

Part 2: Methods of test



Reference number
IEC 60763-2:2007(E)

Publication numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series. For example, IEC 34-1 is now referred to as IEC 60034-1.

Consolidated editions

The IEC is now publishing consolidated versions of its publications. For example, edition numbers 1.0, 1.1 and 1.2 refer, respectively, to the base publication, the base publication incorporating amendment 1 and the base publication incorporating amendments 1 and 2.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATION FOR LAMINATED PRESSBOARD –

Part 2: Methods of test

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 60763-2 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

This second edition cancels and replaces the first edition published in 1991 and constitutes a technical revision.

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

- a) The standard has generally been revised editorially and brought into line with IEC 60641-2.
- b) The test method for the determination of the internal ply strength has been replaced with an alternative method.
- c) The test method for the determination of the thermal resistance has been enlarged in its scope.

The text of this standard is based on the following documents:

FDIS	Report on voting
15/360/FDIS	15/373/RVD

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

The list of all parts of the IEC 60763 series, under the general title *Specification for laminated pressboard*, can be found on the IEC website.

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

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

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

This International Standard deals with laminated pressboard as defined in Clause 2 of IEC 60763-1.

IEC 60641 applies to pressboard which is not laminated, and the material covered by this International Standard is made from sheets conforming to the requirements of that publication.

SPECIFICATION FOR LAMINATED PRESSBOARD –

Part 2: Methods of test

1 Scope

This part of IEC 60763 gives methods of test applicable for the material classified in IEC 60763-1.

2 Normative references

The following referenced documents are indispensable for the application 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 60243-1:1998, *Electrical strength of insulating materials – Test methods – Part 1: Tests at power frequencies*

IEC 60247:2004, *Insulating liquids – Measurement of relative permittivity, dielectric dissipation factor ($\tan \delta$) and d.c. resistivity*

IEC 60250:1969, *Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including metre wavelengths.*

IEC 60296:2003, *Fluids for electrotechnical applications – Unused mineral insulating oils for transformers and switchgear*

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

IEC 60763-1:1983, *Specification for laminated pressboard – Part 1: Definitions, classification and general requirements*

IEC 61125:1992, *Unused hydrocarbon-based insulating liquids – Test methods for evaluating the oxidation stability*

IEC 62021-1:2003, *Insulating liquids – Determination of acidity – Part 1: Automatic potentiometric titration*

ISO 287:1985, *Paper and board – Determination of moisture content – Oven-drying method*

ISO 2144:1997, *Paper, board and pulps – Determination of residue (ash) on ignition at 900 degrees C*