INTERNATIONAL STANDARD

IEC 61061-1

Third edition
2006-10

Non-impregnated densified laminated wood for electrical purposes –

Part 1: Definitions, designation and general requirements

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

NON-IMPREGNATED DENSIFIED LAMINATED WOOD FOR ELECTRICAL PURPOSES –

Part 1: Definitions, designation and general requirements

FOREWORD

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International Standard IEC 61061-1 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

This third edition cancels and replaces the second edition published in 1998, and constitutes a technical revision. The main changes from the previous edition are as follows:

– addition of application use and safety statements;
– redefinition of ring and sheet;
– appropriate additions to the subclauses;
– reformatting of text to bring it in line with current IEC document format.

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

FDIS	Report on voting
15/343/FDIS	15/350/RVD

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

A list of all parts of the IEC 61061 series, under the general title *Non-impregnated densified laminated wood for electrical purposes*, 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- withdrawn;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.

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NON-IMPREGNATED DENSIFIED LAMINATED WOOD FOR ELECTRICAL PURPOSES –

Part 1: Definitions, designation and general requirements

1 Scope

This part of IEC 61061 includes the definitions required for the understanding of all three parts of the standard, the designation of the material types and the general requirements applicable to non-impregnated densified laminated wood for electrical purposes.

This specification is intended to cover only sheets and rings of nominal thicknesses between 6 mm and 100 mm, inclusive.

Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be 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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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.

https://standards.iteh.ai/catalog/standards/iec/cc6aba9f-fc22-499c-86be-8a4a30318c50/iec-61061-1-2006

IEC 60296, *Unused mineral insulating oils for transformers and switchgear*

IEC 61061-2, *Non-impregnated, densified laminated wood for electrical purposes – Part 2: Methods of test*

IEC 61061-3 (all sheets), *Non-impregnated, densified laminated wood for electrical purposes – Part 3: Specifications for individual materials*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply:

3.1
veneer
single non-laminated ply with a thickness of not more than 2,5 mm in the non-pressed condition, for example produced from beech *(fagus silvatica)*, North-American maple *(acer saccherem)* or birch *(betula pendula)*

3.2
non-impregnated densified laminated wood
laminated wood made from layers of wood veneer bonded together under controlled conditions of heat and pressure using a thermosetting synthetic resin adhesive