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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 20634.2-2008

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

电气用非浸渍致密层压木 第2部分：试验方法

(English Translation)

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Foreword

GB/T 20634 "Electrical Non - impregnated densified laminated wood" contains the following sections.

- Part 1. Definitions, designations and general requirements;
- Part 2. Test methods;
- Part 3. Specifications for individual materials sheet made of birch;
- Part 4. Specifications for individual materials sheet made of birch wood ring.

This section is GB/T Part of 220,634.

2001 "Part 2 Electrical Non - impregnated densified laminated wood.. Test methods" (section 1.1 of this modification adopted IEC 61061-2 in English).

This part of IEC 61061-2:2001 technical differences are as follows.

- Editorial supplement and adjust (eg. pollution supplement formulas to adjust the shear strength and will to the liquid dielectric electrical properties Test);
- Remove the IEC 61061-2:2001 is not applicable in the project express itself;
- Corrected IEC 61061-2:2001 has in Cres and Crev formula errors related to the compressibility of the test.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Standardization Technical Committee of the insulating material (SAC/TC51) centralized.

This part mainly drafted by. Ali River Forest laminated MILL, Zhalantun Tongde Wood limited liability company Shenyang Ruifeng Electric Power Equipment Ltd., Weihe Forestry Bureau in Heilongjiang Province electrical laminated wood factory, Guilin Institute of Electrical Science.

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This section first release.

Electrical Non - impregnated densified laminated wood Part 2. Test methods

1 Scope

This section GB/T 20634 specifies the repression by the multi-layer wafers made of a thermosetting resin and electrically non-impregnated densified laminated wood experiment method.

This section applies to multi-layer veneer pressing and thermosetting resin made of electrically non-impregnated densified laminated wood.

2 Normative references

The following documents contain provisions which, through reference GB/T 20634 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB /1043.1-2008 plastic Charpy impact properties measured T Part 1. Non-instrumented impact test (ISO 179-1.

2000, IDT)

GB/T 1408.1-2006 electrical insulating materials strength test methods - Part 1. Tests at power frequencies (IEC 60243-1:1998, IDT) GB/T 1409-2006 Measurement of electrical insulating materials at power, audio, high-frequency (including meter wavelengths included) of the permittivity and dielectric loss Consumption factor recommended method (IEC 60250. 1969, IDT) GB/T 5654-2007 Measurement of liquid insulating material of relative permittivity, dielectric dissipation factor and dc resistivity (IEC 60247.

2004, IDT)

GB/T 9341-2008 Plastics - Determination of flexural properties (ISO 178:2001, IDT) IEC 60296. Unused mineral insulating oils for transformers and switches for 2003

3 Condition, of the sample processing

Typically the sample should be at a temperature of $23\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, relative humidity of $50\% \pm 5\%$ under process 168h, and should be tested under the conditions or Test within 3min after being removed from this condition.

In case of dispute, to ensure that after the sample was conditional processing, an increase in terms of quality, should be long enough to sample the first time at 70 °C Drying room, and then at a temperature of 23 °C $\pm$ 2 °C, relative humidity of 50% $\pm$ 5% of the processing conditions for processing under 240h.

4 Dried specimens

Processing Method A.

As the preferred method, the process is as follows.

Specimens shall be at a pressure of not more than 100Pa in a vacuum oven at 105 °C $\pm$ 5 °C to handle 24h, when taken out and placed in a dry Dryer to cool to room temperature.

Processing Method B.

The sample was placed in a blast circulation oven, at atmospheric pressure after 105 °C $\pm$ 5 °C drying 168h, when taken out and put Placed in a desiccator to cool to room temperature, the present method is to obtain the desired treatment A similar drying effect.