

ICS 29.035.99  
CCS K 15



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

**GB/T 20634.4-2008**

---

**Non-impregnated densified laminated wood for electrical  
purposes -- Part 4: Specifications for individual materials --  
Rings produced from birch veneer**

电气用非浸渍致密层压木 第4部分：单项材料规范 由桦木薄片制成的环材  
**(English Translation)**

**Issued on: December 30, 2008**

**Implemented on: January 1, 2010**

---

**Issued by: Standardization Administration of China**

## Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Requirements
  - 3.1 Nominal thickness and tolerance
  - 3.2 Diameter

### 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 by a sheet made of birch;
- Part 4. Specifications for individual materials made of birch sheet made of ring material.

This section GB/T Part of 420,634.

This section modify using IEC 61061-3-2:2001 "Electrical Non - impregnated densified laminated wood - Part 3. Specifications for individual materials by the A sheet made of beech wood ring "(first edition, in English), is subject to modification reasons varieties of forest resources constraints, is our main raw birch Producing laminated wood products.

This part of IEC 61061-3-2:2001 The main technical differences are as follows.

- The T2R and T4R model to T2B and T4B;
- Added a > 100mm ~ ring material and thickness tolerance requirements <=150mm specifications;
- Nominal thickness of the machined plate of tolerance increased to 0.5mm;
- Moisture content increased from 8-6%;
- Editorial changes to the text, such as the test method as a separate chapter, and increased packaging, labeling, transportation and storage requirements.

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. Shenyang Ruifeng Electric Power Equipment Co., Weihe Forestry Bureau in Heilongjiang Province electrical laminated wood factory, with Zalantun Germany Wood limited liability company, Ali River Forest laminated MILL, Guilin Institute of Electrical Science.

Drafters of this section. Yanghuan Kim, Sun Zhiwei, Li Shujun, Song Chunen, Zheng Xiqing, Rawlinson, Ji Chen, Xuemin.

This section first release.

Electrical Non - impregnated densified laminated wood Part 4. Specifications for individual materials Ring made of birch wood sheet made

## 1 Scope

This section GB/T 20634 requirements by birch sheet made of electrically non-impregnated densified laminated wood ring material technical requirements, test Methods, packaging, labeling, transport and storage.

This section applies to a sheet made of birch by the electrical non-impregnated densified laminated wood ring material.

## 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/T 20634.1-2006 Electrical Non - impregnated densified laminated wood - Part 1. Definitions, designations and general requirements (IEC 61061-1:1998, IDT) Test methods (IEC 61061-2.. Non-impregnated densified laminated wood - Part 2 GB/T 20634.2-2008 electrical purposes 2001, MOD)

### 3.1 Nominal thickness and tolerance

Nominal thickness and tolerance requirements of Table 1.

Table 1 unmachined ring material nominal thickness and tolerance in millimeters

Nominal thickness tolerance  $\leq 10 \pm 1.4$   $> 10 \sim \leq 15 \pm 1.6$   $> 15 \sim \leq 20 \pm 1.8$   $> 20 \sim \leq 25 \pm 2.0$   $> 25 \sim \leq 30 \pm 2.2$   $> 30 \sim \leq 40 \pm 2.6$   $> 40 \sim \leq 60 \pm 3.0$   $> 60 \sim \leq 100 \pm 4.0$   $> 100 \sim \leq 150 \pm 4.0$  the nominal thickness of the ring material after machining tolerance is  $\pm$

0.5mm.

### **3.2 Diameter**

Nominal diameter and tolerance requirements in Table 2.