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

GB/T 5132.2-2009

Replacing GB/T 5132-1985; GB/T 5134-1985

**Industrial rigid round laminated tubes and rods based on
thermosetting resins for electrical purposes -- Part 2: Methods
of test**

电气用热固性树脂工业硬质圆形层压管和棒 第2部分：试验方法

(English Translation)

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Foreword

GB/T 5132 "thermosetting resins for electrical Industrial rigid round laminated tubes and rods" contains the following sections.

- Part 1. General requirements;
- Part 2. Test methods;
- Part 3. Round laminated rolled tube;
- Part 4. Round laminated molded tubes;
- Part 5. Round laminated molded rods;

This section GB/T 5132 Part 2.

This section identical with IEC 61212-2:2006 section "Electrical thermosetting resins for industrial rigid round laminated tubes and rods 2. Test Method "(in English).

For ease of use, and this part of IEC 61212-2:2006 compared to do the following editorial changes.

- a) Delete the international standard foreword, introduction, and references;
- b) according to GB/T 1.1 revision of the International Standard Chapter 1, "Scope" statements and delete security warnings;
- c) "Normative references" in the reference standard, and where there are IEC (or ISO) standards with the corresponding national standards are national standards Instead.

We give a list of these differences and their causes in Appendix A for reference.

This Part replaces GB/T 5132-1985 "electrical insulation laminated tube test" and GB/T 5134 "electrical insulation laminated rod again Test methods. " this portion of the GB /5132-1985 GB/T 5134-1985 and T compared to the main changes are as follows.

Standard structure has changed, the contents of the two criteria combined, the corresponding clauses has been adjusted.

Appendix A of this section is an informative annex.

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. Guilin Electrical Apparatus Research Institute, East wood Technology Group Co., Ltd., Xi'an Electric Co. electrical materials Ltd., Beijing Fu Runda new insulation material limited liability company.

1 Scope

GB/T 5132 provisions of this part of the thermosetting resins for electrical industrial rigid round laminated tubes and rods of test methods.

This section applies to thermosetting resins for electrical Industrial rigid round laminated tubes and rods.

2 Normative references

The following documents contain provisions which, through reference to GB/T 5132 to the present, constitute provisions of this standard. 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.

1033.1-2008 non-plastic foam density measurement GB/T Part 1. Immersion method, liquid pycnometer method and titration method (ISO 1183-1:2004, IDT) GB/T 1034-2008 Plastics Determination of water absorption (ISO 62:2008, IDT) GB/T 1041-2008 Plastics Determination of compression properties (ISO 604:2002, IDT) GB/T 1408.1-2006 electric strength of solid insulating materials - 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, MOD) GB/T 5169.16-2008 Fire hazard testing for electric and electronic products - Part 16. Test flames - 50W horizontal and vertical flame Test methods (IEC 60695-11-10:2003, IDT) GB/T 9341-2008 Plastics - Determination of flexural properties (ISO 178:2001, IDT) (. 1964, IDT IEC 60167) Standard Test Method for Resistance of solid insulating materials GB/T 10064-2006 Determination GB/T 10580-2003 standard conditions of solid insulating material before the test and during the test used (IEC 60212. 1971, IDT) Part 1 GB/T 11026.1-2003 Electrical

insulating materials Heat resistance. aging procedures and evaluation of test results (IEC 60216:2001, IDT) ISO 3611. 1978 outside micrometer ISO 3599. 1976 readings of 0.1 and 0.05mm vernier caliper ISO 6906. 1984 reading of 0.02mm vernier caliper IEC 60216-2:2005 Electrical insulating materials - Thermal resistance - Part 2. Determination of electrical insulating materials heat resistance test criteria s Choice IEC 60296:2003 Electrical transformer fluid and the switching of unused mineral insulating oils

3 Conditional processing

Unless otherwise specified, the sample should GB/T 10580-2003 standard atmospheric B (a temperature of $23\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, relative humidity of $50\% \pm 5\%$ processing), the processing time was 24h.

Unless otherwise specified, each sample should be tested in atmospheric conditions treated or removed from the atmosphere each sample condition treated He began to experiment within 3min.

GB/T 5132.2-2009/IEC 61212-2:2006