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

GB/T 5132.1-2009

Replacing GB/T 1305-1985

**Industrial rigid round laminated tubes and rods based on
thermosetting resins for electrical purposes -- Part 1: General
requirements**

电气用热固性树脂工业硬质圆形层压管和棒 第1部分：一般要求

(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 1.

This section identical with IEC 61212-1:2006 "thermosetting resins for electrical Industrial rigid round laminated tubes and rods - Part 1. General Requirements "(in English).

This section "Normative references" have been translated into national standard references to the corresponding national standards, the other unchanged.

This Part replaces GB/T 1305-1985 "thermosetting laminate electrical insulation testing, marking, packaging, transportation and storage General rules then".

This part of GB/T 1305-1985 difference is as follows.

- a) This section only provides general requirements thermosetting resins for electrical industrial rigid round laminated tubes and rods, not including electrical Thermosetting Industrial rigid resin laminate, because thermosetting resins for electrical industrial rigid laminated sheets have been separately with national standards to develop;
- b) In this section "preface" listed on thermosetting resins for electrical Industrial rigid round

laminated tubes and rods composed of standard series section;

c) increase the "Normative references" chapter;

d) increase the "Terms and Definitions" chapter, the detailed provisions concerning laminated tubes and rods of "name" in the chapter, "abbreviated" and "special model Sign";

e) increasing the "general requirements Appearance" section, rewritten GB/T 1305-1985 "logo and packaging" as "delivery conditions";

f) Remove the GB/T 1305-1985 in "inspection rules" and "transportation and storage" section.

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., Beijing Fu Runda new insulation material Ltd., Xi'an Electric electrical materials limited liability company.

Drafters of this section. Luozhuan Yong, Zhao Ping, Liu Qihuan, Du Chaoyun.

This part of the standard replaces the previous editions are.

--- GB/T 1305-1985.

GB/T 5132.1-2009/IEC 61212-1:2006 Thermosetting resins for electrical industrial rigid round Laminated tubes and rods - Part 1. General requirements

1 Scope

This section GB/T 5132 specifies the electrical rigid round laminated tubes and rods definition thermosetting resin industry, named general requirements and delivery conditions. Laminated tubes and rods by any of the following as a binder resin made of. phenolic, epoxy resin (epoxy compound), melamine Amine and silicone resin. It can be single or composite reinforcement material in the form of the following. cellulose, paper, cloth, glass cloth, mica paper.

GB/T 5132 This section applies to electrical rigid round laminated tubes and rods based on thermosetting resins industry.

2 Normative references

The following documents contain provisions which, through reference to GB/T 5132 to the present, 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 5132.2-2009 thermosetting resins for electrical Industrial rigid round laminated tubes and rods - Part 2. Test methods (IEC 61212-2:2006, IDT) ISO 472 Plastics Glossary

3 Terms and Definitions

This part of ISO 472 the following terms and definitions.

In the hot roller die between the wound impregnated material layer by curing oven, followed by removing the die A pipe formed.

In die winding impregnated material layer, and then placed in a cylindrical mold together, under certain conditions of heat and pressure cured, and then A pipe die off and form.

In die winding impregnated material layer after removing the die under certain conditions of heat and pressure into a cylindrical mold and cured, then Grinding stick to one kind of predetermined size and formation.

4.1 Overview

Laminated tubes and rods according to GB/T 5132.2-2009 Standard Test Method for testing in accordance with their use of different resins and reinforcing material, Manufacturing methods and identification features into different models.

4.2 Naming

Named as follows laminated tubes and rods Model.

GB/T 5132.1-2009/IEC 61212-1:2006