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

GB/T 11026.2-2012

Replacing GB/T 11026.2-2000

**Electrical insulating materials -- Thermal endurance properties
-- Part 2: Choice of test criteria**

电气绝缘材料 耐热性 第2部分：试验判断标准的选择

(English Translation)

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4 Select Properties and then the end of the guide

Appendix A (informative) new or unknown materials are specified in the message to a group of

Appendix NA (informative) and Normative references to international standards in corresponding relation to national standards

Foreword

GB/T 11026 "Electrical insulating materials - Thermal resistance" is divided into six parts.

--- Part 1. Ageing procedures and evaluation of test results;

--- Part 2. Test selection criteria;

--- Part 3. Calculation procedure thermal characteristic parameters;

--- Part 4. Ageing ovens - Single - chamber ovens;

--- Part 5. aging oven temperature of 300 °C Precision oven;

--- Part 6. Ageing ovens - Multi-chamber ovens.

This section GB/T Part of 211,026.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 11026.2-2000 "determine the heat resistance of electrical insulating materials Guidelines - Part 2. test criteria Select "Compared with GB/T 11026.2-2000 main technical changes are as follows.

--- Modify the standard name, the "heat-resistant electrical insulating materials is determined guidelines" to "heat-resistant electrical insulating materials."

--- Preface added, "Part 6. Ageing ovens - Multi-chamber ovens."

--- Revised Chapter 2 normative references.

--- Chapter 4 Content fusion GB/T 11026.2-2000 Chapters 4 and 5 of chapter content.

--- Table 1 is deleted sample size column; remove the hard material A "polymerizable resin

composite"; to delete "hard material C"; "elastomer and thermoplastic material may extend "to" elastomer "; add" resin-based composites "; impregnated composites and varnishes from the" resin-impregnated Composites, thermal curing paint "to" Unsaturated polyester based impregnating resin impregnated epoxy resin, polyurethane resin-impregnated unfilled, not Thermal processing of varnish "; insulated conductor from the" wire, cable insulation (extruded), platinum bonded copper conductor on the "to" paint Winding wires "(2000 edition Table 1).

--- Remove the GB/T 11026.2-2000 in Chapter 4 of the "note" (Chapter 4 of the 2000 edition).

--- Appendix A in the "elastomer and thermoplastic materials can be extended" to "elastomer"; semi-rigid sheet material to increase the "elasticity Modulus "legend; increase the" plastic film "; the" powder coating "and" coating paint coating compound "close to" "; add" resin matrix composite Objects "(2000 edition Appendix A).

--- NA and increase in Appendix Normative references to international standards in corresponding relation to national standards (see Appendix NA).

This section uses the translation method is equivalent to using IEC 60216-2:2005 "Electrical Materials heat-resistant insulation - Part 2. Determine the electrical insulation Materials heat resistance test criteria guide the choice. " Correspondence with consistency in this section of our normative references the following documents.

--- 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 1539-2007 Determination of cardboard bursting strength (ISO 2759:2001, IDT)

--- GB/T 4074.7-2009 Winding wires - Test methods - Part 7. Test methods for temperature index of enamelled winding wires Determination (IEC 60172. 1987, IDT)

--- GB/T 11026.1-2003 Electrical insulating materials - Thermal resistance - Part 1. Evaluation of aging procedures and test results (IEC 60216-1:2001, IDT)

--- GB/T 11026.3-2006 heat resistance, electrical insulating materials - Part 3. Calculation procedure thermal characteristic parameters (IEC 60216-3:2002, IDT)

--- GB/T 11028-1999 impregnating agents to an enamelled wire substrate bond strength test method (1991 eqv IEC 61033) Determination and IEC 60216-2:2005 made the following editorial changes as compared to this section.

--- Since the IEC and ISO standards and national standards in all parts of Chapter 2 is not

referenced in one relationship, so in order to facilitate with an increase of informative annex NA.

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

This part of the National Electrical insulation materials and insulation systems assessment Standardization Technical Committee (SAC/TC301) centralized.

This section is drafted. Beijing Machinery Industry Technical and Economic Research Institute, Shenzhen City, measuring Detection Technology Co., Ltd., Guilin Electric Division Graduate School.

1 Scope

GB/T 11026 provisions of this part of the value of the test to determine the thermal characteristics of a standard guide for the selection. It includes methods published Qing Single, the list is not complete.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

IEC 60172 Standard Test Method for Determination of the temperature index of enamelled winding wires (Test procedure for the determination of the temperature index of enameled winding wires) IEC 60216-1 Electrical insulating materials - Part 1 Heat resistance. The aging procedures and evaluation of test results (Electrical insulating materials-Thermal endurance properties-Part 1.

Ageing procedures and evaluation of test results) IEC 60216-3 Electrical insulating materials - Thermal resistance - Part 3. Calculation procedure thermal characteristic parameters (Electrical insulating materials-Thermal endurance properties-Part 3.

Instructions for calculating thermal endurance characteristics) IEC 60243-1 Electrical insulating materials strength test methods - Part 1. Tests at power frequencies (Electrical strength of insulating materials-Test methods-Part 1. Tests at power frequencies) IEC 60317 (all parts) particular types of winding wires

(Specifications for particular types of winding wires) IEC 60370 heat-resistant insulating paint testing procedures for electric strength method

(Test procedure for thermal endurance of insulating varnishes-Electric strength method) IEC 60371 (all parts) with mica-based insulating materials Specifications

(Specification for insulating materials based on mica) IEC 60394 (all parts), electrical impregnated fabric (Varnished fabrics for electrical purposes) IEC 60450 and new cellulosic electrically insulating material sticky after aging average degree of polymerization of measurement (Measurement of the average

viscometric degree of polymerization of new and aged celulosic electrical insulating materials) IEC 60454 (all parts), a pressure-sensitive adhesive tapes for electrical purposes - Specification (Specifications for pressure-sensitive adhesive tapes for electrical purposes) IEC 60455 (all parts), electrical insulation solventless polymeric resin composite specification (Resin based reactive compounds used for electrical insulation) IEC 60464 (all parts), electrical insulating paint (Varnishes used for electrical insulation) IEC 60554 (all parts), electrical cellulose paper specification (Specification for celulosic papers for electrical purposes) IEC 60626 (all parts), electrical insulating flexible materials (Combined flexible materials for electrical insu-