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

GB/T 11026.4-2012

Replacing GB/T 11026.4-1999

**Electrical insulating materials -- Thermal endurance properties
-- Part 4: Ageing ovens -- Single-chamber ovens**

电气绝缘材料 耐热性 第4部分：老化烘箱 单室烘箱

(English Translation)

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Foreword

GB/T 11026 "heat-resistant electrical insulating materials" currently consists of 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 411,026.

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

This Part replaces GB/T 11026.4-1999 "determine the heat resistance of electrical insulating materials Guidelines - Part 4. Ageing ovens - Single Room Oven ", compared

with the GB/T 11026.4-1999, the main technical changes are as follows.

--- The standard name is more concise;

--- Chapter 2, "Normative references" removed "GB/T 2951.2-1997", adds "GB/T 27025-2008", "IEC 60335";

--- Standard chapters vary, depending Appendix NA.

This section uses the translation method identical with IEC 60216-4-1:2006 "Electrical insulating materials - Thermal resistance - Part 4-1. Ageing ovens Single-chamber ovens. " Correspondence between the consistency of the standards of international documents and normative references of the following documents.

--- GB 4706 (all parts) Household and similar electrical appliances - Safety [IEC 60335 (all parts)].

For ease of use, and this part of IEC 60216-4-1:2006 compared to do the following editorial changes.

--- Use the decimal symbol "." Decimal symbol instead of "°."

--- Increase the informative appendix 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. Guilin Electric Apparatus Research Institute, Shenzhen Institute of Standards and Technology, Beijing Electrical Machinery Industry Technical and Economic RESEARCH the study.

1 Scope

GB/T 11026 provisions of this part of the evaluation of the heat as electrical insulation with ventilation, electric oven single room (with or without strong Forced air circulation) the minimum requirements, but also provides the aging oven acceptance tests and operation control tests.

This section applies to within 20 °C ~ 500 °C higher than the ambient temperature of the whole or part of the oven temperature range within the operating range.

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.

GB/T 27025-2008 testing and calibration laboratories General requirements (ISO/IEC 17025:2005, IDT) IEC 60335 (all parts) Household and similar electrical appliances (Household and similar electrical appliances)

3 Terms and Definitions

The following terms and definitions apply to this document.

Ventilation rate rate of ventilation Ventilation oven an hour at room temperature.

Exposure volume Temperature fluctuations, temperature changes and temperature inside the oven satisfy a predetermined value (when the cartridge using ISO, ISO box also refers) that part of the space.

Exposure temperature Effects obtained when determining the temperature of the sample and the standard aging test, a sample of the aging temperature selected.

Note: See "Integrated exposure temperature." 3.4 Temperature fluctuations temperature fluctuation ΔT_1 the temperature of the oven at the same point the maximum change in a certain time.

Temperature difference ΔT_2 Exposure at any point in time difference between the maximum temperature of any two points within the volume between.