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

GB/T 22472-2008

**Determination of the flammability of plastics instrumentation
and equipment parts
(English Translation)**

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Foreword

This revised standard adopts UL94.2001 "is used as part of the instruments and equipment Plastics - Determination of burning." for ease of use, and this standard UL94.2001 compared to do the following editorial changes.

--- Remove the UL standard "Preface" and "Introduction";

--- The standard Chapter 2, "Normative references" in the reference standard, the use of IEC (or ISO) standard into the corresponding country Standards are replaced with national standards.

With the technical content of this standard UL94. Differences 2001 are as follows.

--- Remove the original UL94. in 2001, Chapter 13;

--- Remove the original UL94. in 2001 Addendum A and Addendum B.

The standard proposed by China Electrical Equipment Industrial Association.

This standard by the National Standardization Technical Committee of the insulating material (SAC/TC51) centralized.

This standard is mainly drafted by. Guilin Institute of Electrical Science.

Drafters of this standard. Long in English.

This standard was first formulated.

Instruments and equipment parts with plastic combustion determination

1 Scope

1.1

standard applies to electrical installations and equipment parts with plastic burning determination to preliminary predict whether applicable flammability of plastics to a specific usage scenarios.

1.2

This standard describes the test methods, including a sample of standard size, only used to measure and describe the equipment used in the material, in controlled Under laboratory conditions, the heat of combustion and flame performance. Material for heat and flame of the actual reaction depends on the size and shape of the sample Shape and the use of the end use of the material product. The evaluation criteria can not be used to assess the final application Other important characteristics include (But not limited to) flammable, burning rate, flame spread, energy release, the intensity of combustion, products and the like.

Final Acceptance 1.3 material depending on the material used in the complete equipment, it shall comply with the relevant equipment standard, burning grade material Depending on the requirements included in the equipment and materials for a particular purpose, use of the material obtained by the method of standard performance level can not calculate it the relationship between the performance of the final application occasions.

1.4

This standard can be used to assess other non-metallic materials.

1.5

standard can not be used to assess the construction and decoration materials.

1.6

If the product contains a new or different from the development of this standard of existing features, characteristics, components, materials, or systems, and there is a fire, electric shock, personal the risk of injury, should adopt appropriate additional components and final product requirements for product evaluation, to ensure product safety of persons, of to the original intent of the development of this standard. Features, characteristics, components, materials, or systems conflict with the requirements of this standard should not be used or specified products this standard. Consistent with the recommended standards development, revision and implementation of the method requires revision.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 2408-2008 Plastics - Determination of burning behavior of horizontal and vertical (IEC 60695-11-10:1999, IDT) GB/T 2918-1998 standard plastic sample conditioning and environmental tests (idt ISO 291:1997) Determination of relative viscosity ASTM D789 polyamide, melting point, water content Standard Test Method for Determination of

ASTME162 using a radiant heat source material for Surface Burning Characteristics
Practical ASTMD3195 rotor speed calibration Describe combustion test laboratory burner
flame small plastic ASTMD5025 ASTMD5207 plastic material small flame test, calibration
20mm and 125mm flame test standard practice Describe ASTME437 industrial wire cloth
and wire mesh (square hole series) Appendix X3 Compared to extinguish combustion
characteristics of solid plastic method ASTMD3801 vertical Test methods for non-rigid solid
plastic combustion performance measurement ASTMD4804 Standard Test Method for
ASTMD4986 porous polymeric material level of combustion performance of porous plastic
water small specimens under a small flame Determination of level of combustion
performance ASTMD5048 using 125mm flame combustion characteristics compared to the
measurement of solid plastic and anti-burn Standard Test Method

3 Terms and Definitions

The following terms and definitions apply to this standard.