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

GB/T 14656-2009

Replacing GB/T 14656-1993

**Test method for burning behavior of flame-retardant paper and
board**

阻燃纸和纸板燃烧性能试验方法

(English Translation)

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Foreword

This revised standard adopts ASTM D777-97 (2002) "performance test methods and flame-retardant paper standard cardboard burning" (in English). test Into account China's national conditions, the use ASTM D777-97 (2002), the present standard do some modifications. About the technical differences have been incorporated into the text and identifies a single vertical line in which they are involved with the provisions margin. The standard lists the reg number in Appendix A and ASTM D777-97 (2002) List of control clauses numbered. We give a list of these technical differences and their reasons in Appendix B

Table for reference.

For ease of use, this standard ASTM D777-97 (2002) made the following editorial changes.

- Name was revised standards;
- Use the decimal symbol "." Decimal symbol instead of " " this standard replaces 14656-1993 "fire-retardant paper and board combustion performance test method" GB/T .

This standard and GB/T 14656-1993 compared to the main changes are as follows.

- Modify the scope of the relevant provisions (see Excerpts Chapter 1);
- Increasing the normative references (see edition Chapter 2);
- Modify the terms and definitions (see Chapter 3 edition);
- Amend the relevant provisions of the test device (see Chapter 4 edition);
- Information about provisions for conditioning (see Chapter 6 edition);
- Amend the relevant provisions of the testing procedures (see Chapter 7 edition);
- Amend the relevant provisions of the test report (see edition Chapter 10).

The Standard Appendix A, Appendix B are informative appendices.

The standard proposed by the People's Republic of China Ministry of Public Security.

This standard by the National Standardization Technical Committee for fire protection material Technical Committee (SAC/TC113/SC7) centralized.

1 Scope

This standard specifies the test methods for flame combustion properties of paper and paperboard. Test method comprising.

- a) Test Method A. mainly used by fire-retardant treatment, and after flooding washed retardant effect by the paper or paperboard significant effect;
- b) Test Method B. mainly used by fire-retardant treatment, and after flooding washed retardant effect is not significantly affected by the paper or paperboard.

This standard applies to not more than 1.6mm thickness of paper and paperboard.

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 5907 fire first part basic terms GB/T 10739 paper, paperboard and pulp sample processing and testing standard atmospheric conditions (GB/T 10739-2002, eqvISO 187. 1990)

3 Terms and Definitions

GB/T 5907 and established in the following terms and definitions apply to this standard.

Under the experimental conditions, the length of the sample material from charring.

Under the experimental conditions, the specimen sustained flaming combustion time after removal of the burner flame.

Stop flaming sample after sample continued burning time.

Under the experimental conditions, after flooding washed retardant effect by the paper or paperboard significant effect.

Under the experimental conditions, after flooding washed retardant effect is not significantly affected by the paper or paperboard.

4.1 Combustion chamber

1, a combustion chamber made of a metal plate (or other non-combustible materials) produced at the bottom of the box size (305 x 355) mm, high 760mm. Combustion chamber is provided for observation of the phenomenon of the glass door containing bayonet. Case 25mm below the top of the baffle has a top Uniform distribution board 16 having a diameter of the vent holes 12.5mm. Both sides of the housing are each provided with a diameter of 8 12.5mm ventilation holes, Case bottom hole center distance 25mm.