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

**中华人民共和国国家标准**

GB/T 2408–2008/IEC 60695-11-10: 1999

Replace GB/T 2408-1996

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**Plastics—Determination of burning  
characteristics— Horizontal and vertical test**

**塑料 燃烧性能的测定**

**水平法和垂直法**

(IEC 60695-11-10: 1999, Fire hazard testing—Part 11-10: Test flames—50 horizontal  
and vertical flame test methods, IDT)

**Issued on August 04, 2008**

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**Issued by General Administration of Quality Supervision, Inspection  
and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of  
China**

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## Foreword

This Standard is equivalent to IEC 60695-11-10: 1999 *FIRE HAZARD TESTING – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods* as well as Amendment list for IEC 60695-11-10 issued on August, 2003.

For ease of use, following changes of this Standard has been made:

- a) To change “This Part of IEC 60695” as “This Standard”;
- b) To change the standard name from *FIRE HAZARD TESTING – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods* as *Plastics - Determination of burning characteristics - Horizontal and vertical test*;
- c) To delete the foreword of IEC 60695-11-10;
- d) To add the foreword of this Standard;
- e) To change the comma symbol in International Standard “,” as decimal point “.”;
- f) To change the normative reference in IEC 60695-11-10.

This Standard will replace GB/T 2408-1996 *Plastics-Determination of the burning behaviour of horizontal and vertical specimens in contact with a small-flame ignition source*, comparison with GB/T 2408-1996, main changes of this Standard as follows:

- a) To change the *Plastics-Determination of the burning behaviour of horizontal and vertical specimens in contact with a small-flame ignition source* as *Plastics - Determination of burning characteristics - Horizontal and vertical test*;
- b) Flammule ignition source of test flames with nominal power of 50W has been explicitly specified;
- c) To add the contents and foreword;
- d) To change the definitions, such as residual flame and afterglow, etc;
- e) To enhance the precious requirements for timing devices;
- f) Definiteness requirements for dimension of test pieces;
- g) To change the grade index of horizontal and vertical test.

Annex A and B of this Standard is informative annex.

This Standard is proposed by China Petroleum and Chemical Industry Federation , CPCIF

This Standard is under jurisdiction of National Technical Committee 15 on Plastic of Standardization Administration of China (SAC/TC 15).

Chief draft unit of this Part: National Information Center of Synthetic Resin and Plastic Industry.

Participating unit of this Part: Beijing Yanshan Petrochemical Corporation Resin Application Research Institute (Fuzhou), National Chemical Building Material Testing Center of China Petroleum & Chemical Corporation (Material Testing Dept.), Jiangning District Analysis Instrument Company, Nanjing, Shanghai Fire Research Institute of Ministry of Public Security, Guangzhou Kingfa Sci. and Tech. Co., Ltd, Longkou Dawn Engineering Plastic Co., Ltd, Dawn Group.

Chief Drafters of this Part: Zheng Ning, Song Guirong, Wang Jiandong, Li Jianjun, Zhang Zhengmin, He Fan, Yang Zonglin, Wang Fuhai, Zhang Chengjie.

History editions replaced by this Standard are as follows:

— GB/T 2408-1980, GB/T 2408-1996.



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