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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 5169.27-2008

Fire hazard testing for electric and electronic products - Part 27: Smoke obscuration - Small-scale static test - Description of the apparatus

电工电子产品着火危险试验 第27部分：烟模糊 小规模静态试验方法 仪器说明

(English Translation)

Issued on: December 30, 2008

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

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1 Foreword

GB/T 5169.27-2008 was issued by State Administration for Market Regulation; Standardization Administration of the PRC on 30 December 2008.

It is one of 43 parts of the GB/T 5169 series.

2 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of the PRC

English translation: about 15 pages (approximate)

3 Related standards

Other parts of this standard:

GB/T 5169.1-2025 - Part 1: Terminology concerning fire tests

GB/T 5169.2-2021 - Part 2: Guidance for assessing the fire hazard - General guidelines

GB/T 5169.3-2005 - Part 3: Guidance for the preparation of requirements and test specifications for assessing fire hazard of electronic compone

GB/T 5169.5-2008 - Part 5: Test flames -- Needle test method -- Apparatus, confirmatory arrangement and guidance

GB/T 5169.5-2020 - Fire hazard testing for electric and electronic products-Part 5: Test flames-Needle-flame test method-Apparatus, confirmatory test arrangement and guidance

GB/T 5169.7-2001 - Test methods for diffusion and premixed flame test methods

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GB/T 5169.9-2021 - Part 9: Guidance for assessing the fire hazard - Preselection testing procedures - General guidelines

GB/T 5169.10-2017 - Part 10: Glowing/hot-wire based test methods -- Glow-wire apparatus and common test procedure

GB/T 5169.11-2017 - Part 11: Glowing/hot-wire based test methods -- Glow-wire flammability test method for end-products (GWEPT)

GB/T 5169.12-2013 - Part 12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials

GB/T 5169.12-2024 - Fire hazard testing for electric and electronic products-Part 12: Glowing/hot-wire based test methods-Glow-wire flammability index (GWFI) test method for materials

GB/T 5169.13-2024 - Part 13: Glowing/hot-wire based test methods - Glowing-wire ignition temperature (GWIT) test method for materials

GB/T 5169.14-2017 - Part 14: Test flames--1 kW nominal pre-mixed flame -- Apparatus, confirmatory test arrangement and guidance

GB/T 5169.15-2015 - Part 15: Test flames - 500 W flames - Apparatus and confirmational test methods

GB/T 5169.16-2017 - Part 16: Test flames--50 W horizontal and vertical flame test methods

GB/T 5169.17-2017 - Part 17: Test flames--500 W flame test method

GB/T 5169.18-2013 - Part 18: Toxicity of fire effluent -- General guidance

GB/T 5169.19-2022 - Part 19: Abnormal heat - Mould stress relief distortion test

GB/T 5169.20-2021 - Part 20: Surface spread of flame. Summary and relevance of test methods

GB/T 5169.21-2017 - Part 21: Abnormal heat -- Ball pressure test method

GB/T 5169.22-2015 - Part 22: Test flames. 50 W flame -- Apparatus and confirmation test method

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GB/T 5169.29-2020 - Fire hazard test for electric and electronic products - Part 29: Heat release General rules

GB/T 5169.30-2020 - Fire hazard test for electric and electronic products - Part 30: Heat release. Summary and correlation of test methods

GB/T 5169.31-2022 - Part 31: Surface spread of flame - General guidance

GB/T 5169.33-2023 - Part 33: Guidance for assessing the fire hazard - Ignitability - General guidance

GB/T 5169.34-2023 - Part 34: Guidance for assessing the fire hazard - Ignitability - Summary and relevance of test methods

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GB/T 5169.47-2022 - Part 47: Guidance on the different levels of power and energy related to the probability of ignition and fire in low voltage electrotechnical products

GB/T 5169.49-2024 - Part 49: Arc ignition test method for materials

4 Classification and status

Chinese Standard Classification (CCS): K 04

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