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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 5169.3-2005

Fire hazard testing for electric and electronic products - Part 3: Guidance for the preparation of requirements and test specifications for assessing fire hazard of electronic compone

电工电子产品着火危险试验 第3部分：电子件着火危险评定技术要求和试验规范制定导则

(English Translation)

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

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https://chinastandards.org/standards/gb-t-5169-3-2005

1 Foreword

GB/T 5169.3-2005 is issued by State Administration for Market Regulation; Standardization Administration of the PRC.

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 5169.5-2008 - 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

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

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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

GB/T 5169.23-2024 - Part 23: Test flames - 500W vertical flame test method for tubular polymeric materials

GB/T 5169.24-2018 - Part 24: Guidance for assessing the fire hazard -- Insulating liquids

GB/T 5169.25-2018 - Part 25: Smoke obscuration -- General guidance

GB/T 5169.26-2018 - Part 26: Smoke obscuration -- Summary and relevance of test methods

GB/T 5169.27-2008 - Part 27: Smoke obscuration - Small-scale static test - Description of the apparatus

GB/T 5169.28-2008 - Part 28: Smoke obscuration -- Small-scale static test -- Materials

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 5169.35-2025 - Part 35: Corrosion damage effects of fire effluent - General guidance

GB/T 5169.36-2025 - Part 36: Corrosion damage effects of fire effluent - Summary and relevance of test methods

GB/T 5169.38-2014 - Part 38: Toxicity of fire effluent - Summary and relevance of test methods

GB/T 5169.39-2015 - Part 39: Toxicity of fire effluent -- Use and interpretation of test results

GB/T 5169.40-2015 - Part 40: Toxicity of fire effluent - Estimation of toxic potency - Apparatus and test method

GB/T 5169.41-2015 - Part 41: Toxicity of fire effluent - Estimation of toxic potency - Calculation and interpretation of test results

GB/T 5169.44-2022 - Part 44: Guidance for assessing the fire hazard - Fire hazard assessment

GB/T 5169.45-2019 - Part 45: Guidance for assessing the fire hazard -- Fire safety engineering

GB/T 5169.46-2020 - Part 46: Test flames - Determination of the characteristic heat flux for ignition from a non-contacting flame source

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

Prefix GB/T: recommended standard.

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