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

GB/T 15903-2025

Replacing GB/T 15903-1995

**Test methods for flame resistance of pressure sensitive
adhesive tapes**

压敏胶粘带耐燃性试验方法

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 15903-1995 "Test Method for Flame Retardancy of Pressure-Sensitive Adhesive Tapes". Compared with GB/T 15903-1995, except for the following. Aside from structural adjustments and editorial changes, the main technical changes are as follows:

- A new chapter on "Terms and Definitions" has been added (see Chapter 3);
- The requirements for test equipment and materials for the suspension test method have been changed (see 4.2, Chapter 4 of the.1995 edition);
- The specimen preparation requirements for the suspension test method have been changed (see 4.3, Chapter 5 of the.1995 edition);
- The test conditions for the suspension test method have been added (see 4.4);
- The test procedure for the suspension test method has been modified (see 4.5, Chapter 6 of the.1995 edition);

---The methods for calculating average burn length and average burn time have been changed (see

4.6.1 and 4.6.2, Chapter 7 of the.1995 edition);

---The expression of test results for the suspension test method has been modified (see 4.6.4,

8.2 in the.1995 edition);

---A flat-laying test method has been added (see Chapter 5);

---A winding test method has been added (see Chapter 6);

---A horizontal combustion test method has been added (see Chapter 7);

1 Scope

GB/T 15903-2025 is the Chinese national standard on test methods for flame resistance of pressure sensitive adhesive tapes, in the field of rubber and plastic industries. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026. Classification: ICS 83.180, CCS G 38. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document describes the suspension test, flat test, and wrapping test methods for determining the flame retardancy of pressure-sensitive adhesive tape (hereinafter referred to as "adhesive tape"). Methods include horizontal combustion test, vertical combustion test, and roll test. This document applies to the determination and evaluation of the flame retardancy of adhesive tapes.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 1914 Chemical Analysis Filter Paper

GB/T 2408-2021 Determination of flammability of plastics - Horizontal and vertical methods

GB/T 5169.16-2017 Fire Hazard Testing of Electrical and Electronic Products - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 22396 and the following terms and definitions apply to this document.

3.1 afterflame Under the specified test conditions, the material continued to burn with flame after the ignition source was removed.

Note. In this document, the ignition source is generated by the burner.

3.2 Afterflame time The duration of the afterflame.

3.3 Afterglow The material continues to glow after the ignition source is removed under the specified test conditions, or when no flame is generated.

3.4 Afterglow time The duration of the afterglow.

16 Test Flame 50W - Horizontal and Vertical Flames Flame test method

GB/T 5169.22-2015 Fire Hazard Testing of Electrical and Electronic Products - Part

22. Test Flame 50W Flame Apparatus and Confirmation of test methods

GB 8410-2006 Combustion characteristics of automotive interior materials

GB/T 22396 Terminology for Pressure-Sensitive Adhesive Products

GB/T 40302-2021 Determination of flammability of plastic vertical soft thin specimens in contact with a small flame source