

ICS 85.060

CCS Y 32



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

GB/T 22823-2025

Replacing GB/T 22823-2008

Adhesive tape base paper

胶带原纸

Issued on: August 29, 2025

Implemented on: March 1, 2026

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

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and Definitions

4 Classification

5 Technical Requirements

5.1 Intrinsic Quality

11.0 ± 0.6

12.0 ± 0.6

14.0 ± 0.7

16.0 ± 0.8

18.0 ± 0.9

20.0 ± 1.0

22.0 ± 1.1

25.0 ± 1.2

5.2 Appearance

5.3 Number of connectors

5.4 Dimensions and Dimensional Deviations

6 Test Methods

6.1 Sample collection and processing

6.2 Quantitative Analysis and Quantitative Bias

6.3 Tightness

6.4 Tensile strength and elongation

6.5 Longitudinal wet tensile strength

6.6 Water Absorbency

6.7 Smoothness

6.8 D65 brightness

6.9 Color difference ΔE of paper in the same batch

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 22823-2008 "Base Paper for Adhesive Tape". Compared with GB/T 22823-2008, the main differences are structural adjustments and editorial changes.

Aside from the changes, the main technical changes are as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2008 edition);
- b) The classification has been changed (see Chapter 4, Chapter 3 of the 2008 edition);
- c) The requirements for basis weight deviation, tightness, tensile strength, and longitudinal wet tensile strength of the base paper for double-sided adhesive tape have been revised (see 5.1.1, 2008 edition). 4.1);
- d) Requirements and test methods for the absorbency of the base paper of double-sided adhesive tape have been added (see 5.1.1 and 6.6);
- e) Increased requirements for the internal quality of the base paper for single-sided adhesive tape (see 5.1.2);
- f) The requirements for appearance and number of connectors have been changed (see 5.2, 5.3, and 4.3 and 4.4 in the 2008 edition);
- g) Additional test methods were added for smoothness, color difference ΔE within the same batch of paper, resistance to liquid penetration, and water fastness (see 6.7, 6.9, 6.10 and 6.10). 6.11);
- h) The inspection rules have been changed (see Chapter 7, Chapter 6 of the 2008 edition).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China National Light Industry Council.

This document is under the jurisdiction of the National Technical Committee on Standardization of Paper Industry (SAC/TC141).

This document was drafted by: Zhejiang Kaineng New Materials Co., Ltd., Zhejiang Shunpu New Materials Technology Co., Ltd., and Jiangsu Dinghang Materials Technology Co., Ltd.

Limited Liability Company, Zhejiang Kaifeng New Material Co., Ltd., Zhejiang Ruilin Technology Co., Ltd., China Pulp and Paper Research Institute Co., Ltd., China Light Paper Product Inspection and Certification Co., Ltd.

The main drafters of this document are: Zhou Zhenyu, Liu Chengyue, Chen Junhua, Yuan Taojing, Wang Dong, An Tiantian, Zeng Ruitao, Lin Xiaoyi, Zhu Xianqi, and Zhu Yong.

Zeng Fulin, Zhang Qi, Liu Yang, Wen Jianyu, Wang Xinting, Feng Yafang.

The release history of this document and the document it replaces is as follows.

- First published in 2008 as GB/T 22823-2008;
- This is the first revision. Tape base paper

1 Scope

This document specifies the requirements for adhesive tape base paper, inspection rules, marking, packaging, transportation, and storage, describes the corresponding test methods, and provides...

Information regarding classification.

This document applies to the production, inspection, and sale of adhesive tape base paper.

2 Normative references

GB/T 450

GB/T 451.1

GB/T 451.2

GB/T 451.3

GB/T 456

GB/T 461.3

GB/T 462

GB/T 465.2

GB/T 1914

GB/T 2828.1

GB/T 7974

GB/T 7975

GB/T 10342

GB/T 10739

GB/T 12914

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4 Classification

4.1 Adhesive tape base paper is classified into double-sided tape base paper and single-sided tape base paper according to its use. Double-sided tape base paper is used to make double-sided tape, while single-sided tape...

The base paper is used to make single-sided tape (wash paper tape).

4.2 Single-sided tape base paper is divided into white single-sided tape base paper and colored single-sided tape base paper according to color.

5.1 Intrinsic Quality

5.1.1 The internal quality of the base paper for double-sided adhesive tape shall meet the requirements specified in Table 1.

Table 1 Internal Quality Requirements for Double-Sided Adhesive Tape Base Paper
Indicator naming requirements Quantitative data and quantitative deviation (g/m²)

25.0 ±1.2

Tightness (g/cm³) ≤0.53 ≤0.58 ≤0.62 ≤0.65 Tensile strength (kN/m) Longitudinal
≥0.56 ≥0.66 ≥0.82 ≥1.05 ≥1.25 ≥1.35 ≥1.65 ≥1.80 Horizontal ≥0.10 ≥0.11
≥0.13 ≥0.16 ≥0.20 ≥0.24 ≥0.28 ≥0.30 Longitudinal wet tensile strength (kN/m)
≥0.10 ≥0.12 ≥0.16 ≥0.19 ≥0.23 ≥0.27 ≥0.30 ≥0.35 Water absorption (g/m²).
20.0~40.0 30.0~60.0 D65 brightness/% ≥75.0 Moisture content at delivery ≤8.0% 5.1.2
The internal quality of the base paper for single-sided adhesive tape shall meet the
requirements specified in Table 2.

Table 2 Internal Quality Requirements for Single-Sided Adhesive Tape Base Paper Indicator
naming requirements Quantitative value (g/m²). 35.0~65.0 Quantitative deviation/% ±5.0
Tightness (g/cm³) 0.56~0.80 Tensile strength (kN/m) Vertical Horizontal ≥1.80 ≥0.70
Elongation /% Vertical Horizontal ≥2.5 ≥5.0 Longitudinal wet tensile strength (kN/m)
≥0.60 Smoothness (front side)/s ≥15 D65 luminance (a/%) ≥75.0 Color difference
deltaE_b of paper in the same batch ≤4.0 Liquid permeability/s ≥90 Water fastness (b)
≤2.0 Moisture content at delivery ≤8.0% a. Only white paper will be used for assessment.

b. Only colored paper will be used for assessment.

5.2 Appearance

5.2.1 The base paper for the tape is in roll form. The roll end face should be neat, free from wavy lines and other mechanical damage. The tension at both ends should be consistent. The paper end face should...

There should be no tears, no sandwiched edges, and the paper core should be free from looseness and deformation.

5.2.2 The paper should be flat, clean, wrinkle-free, and free of holes; the fiber structure