

ICS 55.040
CCS A 82

BB

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

BB/T 0030-2019

**Metallized film for package
(English Translation)**

Issued on: January 1, 1970

Implemented on: January 1, 2020

**Issued by: Ministry of Industry and Information Technology of the
People's Republic of China**

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and definitions
- 4 Product Classification

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces BB/T 0030-2004 "Aluminized Film for Packaging". This standard is compared with BB/T 0030-2004, except for editorial revisions.

The main technical changes of the external change are as follows.

- Modified the English name of the standard;
- Modified the normative reference documents (see Chapter 2, Chapter 2 of the 2004 edition);
- Modified terms and definitions (see Chapter 3, Chapter 3 of the 2004 edition);
- Modified the appearance requirements of aluminized film (see 5.1, 5.1 of the 2004 edition);
- Modified the size and deviation requirements of aluminized film (see 5.2, 2004 edition of 5.2);
- Modified the fracture nominal strain, heat shrinkage rate, water vapor transmission rate, oxygen transmission rate and the adhesion requirements of aluminized film (See 5.3, 5.3 of the 2004 edition);
- Increase the index of the initial heat sealing temperature of CPP aluminized film (see 5.3);
- Modified food and drug safety performance requirements (see 5.4, 2004 edition of 5.4);
- Modified the requirements for the sampling method of aluminum-plated film (see 6.1, 6.1 of the 2004 edition);
- Modified the visual inspection method (see 6.3, 6.3 of the 2004 edition);
- Added the thickness measurement and thickness deviation calculation formula (see

6.4.2);

---Modified the tensile strength and nominal strain at break test method (see 6.5, 2004 edition of 6.6);

---Modified the heat shrinkage rate test method (see 6.6, 6.7 of the 2004 edition)

---Modified the water vapor transmission test method (see 6.7, 6.8 in the 2004 edition);

---Modified the oxygen transmission test method (see 6.8, 6.9 in 2004 edition);

---Added the test method for the heat sealing performance of CPP aluminized film; (see 6.10);

---The test method for the thickness of the aluminum coating and the uniformity of the aluminum coating has been added (see 6.12);

---Modified the requirements of type inspection (see 7.3, 2004 edition of 7.3);

--- Modified the regulations on signs (see 8.1, 8.1 in 2004 edition);

---Modified storage conditions (see 8.4, 2004 version of 8.4).

This standard was proposed by the China Packaging Federation.

This standard is under the jurisdiction of the National Packaging Standardization Technical Committee (SAC/TC49).

The main drafting organizations of this standard. Jiaxing Pengxiang Packaging Materials Co., Ltd., Jiangsu Shuangxing Color Plastic New Material Co., Ltd., Anhui Jintian High-tech Materials Co., Ltd., Shandong Product Quality Inspection and Research Institute, Zhejiang Chengde Technology Co., Ltd., Jinan Languang Electromechanical Technology Co., Ltd., Shanghai Ruoyi New Material Technology Co., Ltd.

1 Scope

This standard specifies the product classification, requirements, test methods, inspection rules, signs, Packaging, transportation and storage, etc.

This standard applies to biaxially oriented polyester (BOPET), biaxially oriented polypropylene (BOPP), cast polypropylene (CPP) plastic films as Substrate, aluminum-plated film produced by vacuum evaporation method. Aluminized films formed by other types of substrates can refer to this standard.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated reference documents, the latest version (including all amendments) is applicable to this

document.

GB/T 191 Packaging, storage and transportation pictorial signs GB/T 1037 Test Method for Water Vapor Permeability of Plastic Films and Sheets Cup Method GB/T 1038 Test Method for Gas Permeability of Plastic Films and Sheets by Differential Pressure Method GB/T 1040.3 Determination of tensile properties of plastics Part 3: Test conditions for films and sheets GB/T 2828.1 Sampling inspection procedure by attributes Part 1: Batch inspection sampling plan retrieved by acceptance quality limit (AQL) GB/T 2918 Standard environment for condition adjustment and testing of plastic samples GB 4806.1 National Food Safety Standard General Safety Requirements for Food Contact Materials and Products GB 4806.7 National Food Safety Standard Food Contact Plastic Materials and Products GB/T 6672 Plastic film and sheet thickness determination mechanical measurement method GB/T 6673 Determination of the length and width of plastic films and sheets GB/T 14216 Determination of the wetting tension of plastic films and sheets GB/T 19789 Packaging material plastic film and sheet oxygen permeability test Coulometric test method GB/T 26253 Determination of Water Vapor Transmission Rate of Plastic Films and Sheets Infrared Detector Method

3 Terms and definitions

The following terms and definitions apply to this document.

Sputtering point

In the process of vacuum aluminum plating, due to equipment, production process and other reasons, the molten aluminum forms splashes, and the film is scalded.

Sink point.

4 Product Classification

Aluminized film is divided into BOPET, BOPP, CPP aluminized film according to the substrate used, and VMPET, VMOPP, VMCPP are used respectively Said.