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BB

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

BB/T 0052-2017

Replacing BB/T 0052-2009

**Co-extrusion films and pouches for liquid milk packaging
(English Translation)**

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Foreword

This standard is in accordance with the rules given in GB/T 1.1-2009 "Standardization Work Guide Part 1. Standard Structure and Writing Rules" Drafting.

This standard replaces BB/T 0052-2009 "liquid milk co-extruded packaging film, bag". This standard is compared with BB/T 0052-2009, except for editing in addition to the series of changes, the main technical changes are as follows.

--- Modified the standard English name;

--- Revised scope (see Chapter 1, Chapter 1 of the 2009 edition);

--- Revised the normative reference document (see Chapter 2, Chapter 2 of the 2009 edition);

--- Modified the classification (see Chapter 3, Chapter 3 of the 2009 edition);

--- Revised the order of terms in the original "requirements" (see Chapter 4, Chapter 4 of the 2009 edition);

---Modified the "appearance quality", the "film surface unevenness" is listed as "film, bag appearance quality" requirements, the "printing pattern size is biased" "Difference" is listed as "printing appearance quality and dimensional deviation" requirements, deletes "film roll cutting position", and increases "ink layer bonding fastness" Seeking (see 4.1.1, 4.1.2, 2009 edition 4.1.1, 4.1.2, 4.3);

---Modified the "size" requirement and increased the limit deviation of the length of the bag (see 4.2, 4.1.1, 4.1.3 of the 2009 edition);

---Modified "film roll joint requirements" (see 4.3, 2009 edition 4.2);

--- Change the "elongation at break" to "fracture nominal strain" (see 4.4, 4.4 of the 2009 edition);

--- Revised the requirements for oxygen transmission rate and water vapor transmission rate (see 4.4, 4.4 of 2009 edition);

- Increased light transmission requirements (see 4.4);
- Modified the heat sealing strength requirements of the bag (see 4.5, 4.4 of the 2009 edition);
- Change the "health performance" to "food safety indicators", and modify the sensory requirements, physical and chemical indicators (see 4.8.1, 2009 edition) 4.5.1);
- Removed the solvent residue indicator (see 4.8.2, 2009 version 4.5.2);
- Removed the microbiological indicator requirements (4.6 of the 2009 edition);
- Increased the accuracy requirements of the gauge quality of the film and bag (see 5.2.1, 5.3.2 of the 2009 edition);
- Increased precision accuracy of overprinting gauges, increased "ink layer bonding fastness" and "film roll printing pattern spacing" test method (see 5.2.2, 5.2.3 of the 2009 edition);
- Modified the calculation method of thickness limit deviation (see 5.3.2, 5.2.5 of 2009 edition);
- Revised the test method for oxygen transmission rate and water vapor transmission rate, and eliminated the arbitration method (see 5.5.3, 5.5.4, 2009) Versions 5.4.4, 5.4.5);
- Increased light transmittance test method (see 5.5.5);
- Revised the test method for sensory requirements and physical and chemical indicators (see 5.9, 5.5.1 of the 2009 edition);
- Removed test methods for solvent residues and microbial indicators (2009 version 5.5.2, 5.6)
- Revised the factory inspection project (see 6.1.1, 6.1.1 of the 2009 edition);
- Revised the sampling plan and judgment (see 6.2.2, 6.3, 6.2.2, 6.3 of the 2009 edition);
- Revised the marking and packaging requirements (see 7.1, 7.2, 2009, 7.1, 7.2).

This standard was proposed by the China Packaging Federation.

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

This standard is mainly drafted by. Kunshan Zhangpu Color Printing Factory, Inner Mongolia Yili Industrial Group Co., Ltd., Shanghai Zijiang Color Printing Packaging Co., Ltd., Jiangsu Caihua Packaging Group Co., Ltd., China Packaging Research and Testing Center, Hebei Qite Packaging Co., Ltd., China Packaging Research Institute Co., Ltd.

1 Scope

This standard specifies the classification, requirements, test methods, inspection rules and standards for liquid milk co-extruded packaging films and bags (hereinafter referred to as films or bags).

Awareness, packaging, transportation and storage.

This standard applies to liquid milk packaging film or bag made by co-extrusion blow molding process using polyethylene as the main raw material.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 packaging storage and transportation icon GB/T 1038 plastic film and sheet gas permeability test method differential pressure method Determination of tensile properties of plastics - Part 3. Test conditions for films and sheets GB/T 2410 transparent plastic transmittance and haze determination GB/T 2828.1. Sampling and sampling procedures - Part 1 . Batch-to-batch sampling plan searched by the acceptance quality limit (AQL) Standard environment for GB/T 2918 plastic sample conditioning and testing GB 4806.7 National Standard for Food Safety Plastic Materials and Products for Food Contact GB/T 6672 Plastic film and sheet thickness - Determination of mechanical measurements GB/T 6673 Determination of the length and width of plastic films and sheets GB/T 7707-2008 gravure decoration print GB/T 9639.1-2008 Test methods for impact resistance of plastic films and sheets - Part 1 . Step method GB 9685 National Standard for Food Safety Standards for the use of additives for food contact materials and products GB/T 10004-2008 Plastic composite film for packaging, bag dry composite, extrusion compound GB/T 19789 packaging materials plastic film and sheet oxygen permeability test coulomb test GB/T 26253 Determination of water vapor transmission rate of plastic films and sheets - Infrared detector method GB 31604.1 National Food Safety Standards for Food Contact Materials and Products Migration Tests GB 31604.2 National food safety standards - Determination of consumption of potassium permanganate in food contact materials and products GB 31604.7 National Standard for Food Safety Decolorization Test of Food Contact Materials and Products GB 31604.8 National food safety standards - Determination of total migration of food contact materials and products GB 31604.9 Food safety national standard Food contact materials and products Determination of heavy metals in food simulants QB/T 2358 plastic film packaging bag heat sealing strength test method

3 Classification

According to material properties, it can be divided into high-resistance diaphragm, bag and low-resistance diaphragm, bag.