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

GB/T 18192-2008

Replacing GB 18192-2000

**Paper based laminated material using for aseptic packaging of
liquid food**

液体食品无菌包装用纸基复合材料

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Foreword

This standard replaces GB 18192-2000 "Paper-based composite materials for aseptic packaging of liquid food." Compared with GB 18192-2000, the main changes of this standard are as follows:

- Added the definition of "middle seal sticker";
- Modified the inner plastic film quantitative;
- Added the requirements for materials;
- Change "tensile strength" to "breaking force". Modified physical machinery such as "breaking force", "inner plastic film peel strength" and "stiffness" Performance;
- Divide the "oxygen transmission rate" into two categories. "aluminum foil" and "other barrier materials";
- The requirement of "adhesion between composite plastic film and paper" is cancelled;
- The requirement of "hygienic index of the whole material" is cancelled;
- Added the requirement of "Hygienic Index of Solvent Residue";
- Modified "Sealing Strength Test Method";
- Clearly stipulates the test conditions of "Tensile Force Test";
- Added the requirement of "Sanitary Inspection of Solvent Residues";
- Modified inspection rules;
- Deleted Appendix B and Appendix C of the original standard. Appendix A of this standard is a normative appendix. This standard was proposed by China Packaging Federation. This standard is under the jurisdiction of the National Packaging Standardization Technical Committee. The main drafting organizations of this standard. Tetra Pak China Co., Ltd., Combibloc (Suzhou) Co., Ltd., Guangxia Jiamei Packaging (Xiamen) Co., Ltd., Qingdao People Printing Co., Ltd., China Packaging Federation. Participated in the drafting of this standard. Shandong Quanlin Packaging Co., Ltd., Shanghai Tianlong Aseptic Packaging Materials Co., Ltd., Sichuan Weizhi International

New Material Co., Ltd., Shandong Xinjufeng Technology Packaging Co., Ltd. The main drafters of this standard. Li Shuliang, Wang Li, Li Xiaoping, Wang Yu, Wang Yuanbo, Liu Hua, Wu Jianguo, Wang Weizhi, Kui Gonghai. The previous editions of the standard replaced by this standard are as follows:

1 Scope

GB/T 18192-2008 is the Chinese national standard on paper based laminated material using for aseptic packaging of liquid food, in the field of packaging and distribution of goods. 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 25 June 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 October 2008. Classification: ICS 55.040, CCS A82. 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 standard specifies the classification, requirements, test methods, inspection rules, signs, packaging, and transportation of paper-based composite materials for aseptic packaging of liquid foods. Transmission and storage. This standard is applicable to base paper, compounded with plastic, aluminum foil or other barrier materials, in roll form or in a single production Materials supplied in product form for aseptic filling of liquid food.

2 Normative references

The clauses in the following documents constitute the clauses of this standard by being quoted in this standard. For dated reference documents, their subsequent All amendments (not including errata content) or revisions do not apply to this standard, however, encourage all parties to reach an agreement based on this standard Study whether the latest versions of these documents can be used. For undated reference documents, the latest version applies to this standard.

GB/T 191 Graphical signs for packaging, storage and transportation (GB/T 191-2008, ISO 780..1997, MOD)

GB/T 1038 Test method for gas permeability of plastic films and sheets Differential pressure method (GB/T 1038-2000, neq ISO 2556.1997)

GB/T 1040.3 Determination of tensile properties of plastics Part

3 Test conditions for films and sheets (GB/T 1040.3- 2006, ISO 527-3..1995, IDT)

GB/T 26779.3 Determination of stiffness of paper and paperboard (GB/T 26779.3-1996, eqv ISO 2493.1992)

GB/T 2828.1-2003 Sampling inspection procedures by attributes Part

1.Batch inspection sampling searched by acceptance quality limit (AQL) Plan (GB/T 2828.1-2003, ISO 2859-1.1999, IDT)

GB/T 3198 Aluminum and aluminum alloy foil

GB/T 5009.60 Method for analysis of hygienic standards of polyethylene, polystyrene and polypropylene molded products for food packaging

GB/T 6673 Determination of the length and width of plastic films and sheets (GB/T 6673-2001, idt ISO 4592..1992)

GB/T 8808 Peel test method for soft composite plastic materials

GB 9685 Hygienic Standard for the Use of Auxiliaries for Food Containers and Packaging Materials

GB 9687 Hygienic Standard for Polyethylene Molded Products for Food Packaging

GB/T 10004-1998 Retort-resistant composite film, bag (eqvJISZ 1707..1995)

GB 11680 Hygienic Standard of Base Paper for Food Packaging QB/T 2358 Test method for heat sealing strength of plastic film packaging bags