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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 22638.7-2016

Replacing GB/T 22638.7-2008

Test methods for aluminium and aluminium alloy foilsPart 7: Determination of heat seal strength

铝箔试验方法 第7部分：热封强度的测定

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Standardization Administration of China

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Foreword

GB/T 22638 "aluminum foil test method" is divided into 10 parts. - Part 1. Determination of thickness; - Part 2. Detection of pinholes; - Part 3. Detection of adhesion; - Part 4. Determination of surface wetting tension; - Part 5. Detection of wettability; - Part 6. Determination of DC resistance; - Part 7. Determination of heat seal strength; - Part 8. Determination of texture content; - Part 9. Hydrophilic testing; Part 10. Determination of the surface density of the coating. This part is part 7 of GB/T 22638. This part is drafted in accordance with the rules given in GB/T 1.1-2009. This part of the replacement GB/T 22638.7-2008 "Aluminum foil test method Part 7. Determination of heat sealing strength". With GB/T 22638.7- 2008, the main technical changes are as follows:

--- The scope of application of the standard has been modified to "solid drugs (tablets, capsules, etc.)" modified "blister";

--- increase the normative reference documents;

--- modified the principle of the method;

--- "test reagents and equipment" modified to "reagents and materials" and "equipment and equipment"; - Removed the standard test carrier;

--- increased the tensile testing machine precision requirements;

--- modified the sample requirements;

--- modified the coating surface and coating requirements;

--- modified after the test piece heat sealing time;

--- modify the value of the pull value. This part is made by China Nonferrous Metals Industry Association. This part is the national nonferrous Metals Standardization Technical Committee (SAC/TC243). This part is responsible for the drafting unit. Shanghai Huxin Aluminum Foil Co., Ltd., Yunnan Hao Xin Aluminum Foil Co., Ltd., Guizhou Aluminum Aluminum Co., Ltd. This part participates in the drafting unit. Xiamen Haishun Aluminum

Foil Co., Ltd., Zhenjiang Dingsheng Aluminum Co., Ltd., Jiangsu Daya Aluminum Co., Ltd. Division, Kunshan Aluminum Co., Ltd., Ruyuan East Sunshine Fine Foil Co., Ltd., Huaxi Aluminum Co., Ltd., China Aluminum Corporation Northwest Aluminum Factory, northeast light alloy limited liability company. The main drafters of this part are. Gong Xuan, Gao Jun, Tian Hui, Li Xiu, Cai Haitao, Zhang Chunping, Wan Baowei, Chen Zhiming, Yuan Bisheng, Yin Teng, Zhang Jinsong, Huang Rong, Wang Haibin, Wang Maogang. This part of the previous version of the standard to replace the release of the situation.

--- GB/T 22638.7-2008. Aluminum foil test method Part 7. determination of heat seal strength

1 Scope

GB/T 22638.7-2016 is the Chinese national standard on test methods for aluminium and aluminium alloy foilspart 7: determination of heat seal strength, in the field of metallurgy. 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 30 December 2016 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 November 2017. Classification: ICS 77.040.01, CCS H20. 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.

GB/T 22638 of this part of the provisions of the blister packaging aluminum foil heat sealing strength of the method of determination of the principle of reagents and materials, equipment With equipment, samples and test pieces, determination, results calculations and test reports. This part is suitable for aluminum foil and polyvinyl chloride (PVC), polyvinylidene chloride (PVDC) and other hard pieces made of foam blister packaging aluminum Determination of heat sealing strength of foil adhesive layer.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document. Representation and Judgment of Numerical Correction Rule and Limit Value of GB/T 8170

GB/T 16491 electronic universal testing machine

GB/T 16825.1 Tests for static uniaxial testing machines - Part 1. Tests for force measurement systems of tension and/or pressure testing machines calibration

3 Principle of the method

The surface coated with a certain amount of heat sealant aluminum foil and polyvinyl chloride (PVC) or polyvinylidene chloride (PVDC) hard film made of heat sealing test Sheet, through the tensile testing machine to determine the polyvinyl chloride (PVC) or polyvinylidene chloride (PVDC) hard film and aluminum foil peel the required load, that is, aluminum foil Of the heat sealing strength.

4 Reagents and Materials

4.1 heat sealant.

4.2 PVC (PVC) solid hard film, size 150mm x 20mm.

4.3 Polyvinylidene chloride (PVDC) solid composite hard film, size 150mm x 20mm.