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

GB/T 13519-2016

Replacing GB/T 13519-1992

Polyethylene heat-shrinkable film for packaging applications

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 13519-1992 "Polyethylene heat shrinkable film". This standard and GB/T 13519-1992 "polyethylene heat shrinkable film" compared to the editorial changes, the main technical changes are as follows:

--- modified the classification (see Chapter 3); - increased width deviation (see 4.2.1); - modified the thickness deviation (see 4.1.2, 1992, 4.1.1); - increased the number of segments per segment and the length of each segment (see 4.2.3); - additional performance requirements (see 4.4); - modified test conditions for shrinkage (see 6.3, 5.7 of 1992); - a test method for the determination of friction coefficient (see 5.7.1); - a test method for the determination of transmittance (see 5.7.2); - a test method for the determination of wetting tension (see 5.7.3); - a test method for the determination of heat seal strength (see 5.7.4); - a test method for the determination of impact resistance (see 5.7.5). This standard is proposed by the China Light Industry Federation. This standard is under the jurisdiction of the National Committee for Standardization of Plastics (SAC/TC48). The drafting of this standard. Dalian Huamin Plastic Technology Co., Ltd., Shenzhen Polymer Industry Association, Dongguan City is the new packaging products limited Company, Shenzhen Wanda Jie Plastic Products Co., Ltd., Tianjin days Plastic Technology Group Co., Ltd. Four-dimensional Bao Connaught Packaging Branch, China Resources Snow Beer (China) Limited. The main drafters of this standard. Li Delong, Wang Wenguang, Quan Mingde, Wei Wenchang, Jiang Hua, Zhong Junhui, Liu Yan. This standard replaced the previous version of the standard release.

--- GB/T 13519-1992. Polyethylene heat shrinkable film for packaging

1 Scope

GB/T 13519-2016 is the Chinese national standard on polyethylene heat-shrinkable film for packaging applications, in the field of rubber and plastic industries. 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 April 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 2016. Classification: ICS 83.140.10, CCS G33. 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 and marking of polyethylene heat shrinkable film for packaging (hereinafter referred to as film) Packaging, transportation, storage. This standard applies to the polyethylene resin as the main raw material, using a blow molding method to produce the film.

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.

GB/T 1040.3-2006 Determination of tensile properties of plastics - Part 3. Test conditions for films and flakes Determination of transmittance and haze of transparent plastics GB/T 2410-2008

GB/T 2828.1-2012 Count Sampling Inspection Procedures Part 1. Batch Inspection Sampling by Reception Quality Limit (AQL) plan Standard environment for state adjustment and testing of plastic specimens

GB/T 2918-1998 Plastics - Film and sheet thickness - Determination of mechanical measurement GB/T Plastics - Film and sheet - Determination of length and width GB/T

GB/T 9639.1-2008 Test method for impact resistance of plastic films and sheets - Free dart method - Part 1. Cascade method Methods for determination of friction coefficient of plastic films and sheets

GB/T 10006-1988 Plastics - Film and sheet - Determination of wetting tension

GB/T 14216-2008 Test method for right - angle tearing properties of plastics

GB/T 1130-1991 Test method for heat sealing strength of plastic film packaging bags GB/T 2358-1998

3 Classification

Thin film according to the scope of application is divided into transverse shrink film and longitudinal shrink film two categories, see Table 1. Table

1 Classification Category of application Transverse shrink film To the lateral shrinkage as the main indicator, apply to the tray stacking items outside the packaging or cartons and other stereotypes package Longitudinal shrink film to the vertical shrinkage as the main indicator, applied to the fixed shape of the monomer or combination of packaging products such as packaging

4 Requirements

4.1 appearance Not allowed to affect the use of bubbles, perforation, stripes, wrinkles, fish eyes, impurities and other defects.