GB

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

ICS 59.080.40
CCS G 42

GB/T 18426-2021 / ISO 4675:2017

Replacing GB/T 18426-2001

Rubber- or plastics-coated fabrics - Low-temperature bend test

橡胶或塑料涂覆织物 低温弯曲试验

(ISO 4675:2017, IDT)

Issued on: October 11, 2021 **Implemented on: May 01, 2022**

Issued by: State Administration for Market Regulation;

Standardization Administration of the PRC.

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Foreword

This document is drafted in accordance with GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document replaces GB/T 18426-2001 "Rubber or plastics-coated fabrics - Low-temperature bend test". Compared with GB/T 18426-2001, the main technical changes are as follows:

- Change normative references (see Clause 2; Clause 2 of the 2001 edition);
- Add Clause "Terms and definitions" (see Clause 3);
- Change Figure 1, Figure 2 and the marking method; correct the dimension of part H of the test device bending jig in Figure 2 (see Clause 5; Clause 4 of the 2001 edition);
- Change the magnification for examining the cracks on the coated surface (see 9.4; 8.4 of the 2001 edition);
- Change the determination of crack length (see 10.3; 9.3 of the 2001 edition).

This document, using translation method, is identical to ISO 4675:2017 "Rubber- or plastics-coated fabrics - Low-temperature bend test".

China's documents which have a consistent correspondence with the international documents normatively referenced in this document are as follows:

- GB/T 24133-2009 Rubber-or plastics-coated fabrics - Standard atmospheres for conditioning and testing (ISO 2231:1989, IDT);
- HG/T 3050.3-2020 Rubber or plastic coated fabrics - Determination of roll characteristics - Part 3: Method for determining thickness (ISO 2286-3:2016, IDT).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority of this document shall not be held responsible for identifying any or all such patent rights.

This document was proposed by China Petroleum and Chemical Industry Federation.

This document shall be under the jurisdiction of Subcommittee 10 on Coated Products, National Technical Committee 35 on Rubber and Rubber Products of Standardization Administration of China (SAC/TC 35/SC 10).

Drafting organizations of this document: Fuzhou University, Fujian Polytechnic Normal University, Fujian Sijia Environmental Protection Material Technology Co., Ltd., Shenyang Rubber Research & Design Institute Co., Ltd., Xiamen Kingtom

Rubber- or plastics-coated fabrics - Low-temperature bend test

WARNING: Persons using this document should be familiar with normal laboratory practice. This document does not purport to address all of the safety problems, if any. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

1 Scope

This document specifies a method for determining the ability of fabrics coated with rubber or plastics to resist the effect of low temperature when subjected to bending at specified temperatures after definite periods of exposure. This document is applicable to coated fabrics with a thickness within the range 0.1 mm to 2.2 mm. For materials of greater thickness than this, modifications to the standard equipment apply (see 9.2, second paragraph).

Because fabrics coated with rubber or plastics are used in different applications requiring low temperature flexing, this test cannot be used as the only standard to determine their service performance.

2 Normative references

The contents of the following documents, through normative references in this text, constitute indispensable provisions of this document. Among them, for dated references, only the edition corresponding to that date applies to this document. For undated references, the latest edition (including all amendments) applies to this document.

ISO 2231 Rubber- or plastics-coated fabrics - Standard atmospheres for conditioning and testing

ISO 2286-3 Rubber- or plastics-coated fabrics - Determination of roll characteristics - Part 3: Method for determination of thickness

3 Terms and definitions

No terms and definitions are listed in this document.

ISO maintains terminological databases for use in standardization at the following address:

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