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

GB/T 32676-2016

**Halogenated Isobutene-isoprene rubber (BIIR and CIIR) --
Evaluation procedures**

卤化异丁烯-异戊二烯橡胶(BIIR和CIIR) 评价方法
(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the re-drafting method to modify ISO 7663.:2005 "halogenated isobutylene-isoprene rubber (BIIR and CIIR) Price method ".

The main technical differences between this standard and ISO 7663.:2005 are as follows.

--- on the normative reference documents, this standard has made a technical differences in the adjustment to meet the technical conditions of China, adjust the the volume is reflected in Chapter 2, "Normative references", as follows.

Replace GB 289-1 (see 4.1) with GB/T 1232.1 for non-equivalent international standards;

Replace GB 247..1990 (see 4.3) with GB/T 4498.1-2013 using the revised international standard;

Replace GB 2393..1994 with ISO/IEC 6038-2006 with international standard (see 5.2.1, 5.2.2.2 g) and 5.2.2.3 in f));

Replace GB 3417 (see 6.1) with GB/T 9869 equivalent to international standards;

Replace GB 6502 (see 6.2) with GB/T 16584 with international standard modifications;

Replace GB 248..2005 (see 4.2) with GB/T 24131-2009 with an international standard;

- Added reference to GB/T 3185-1992 (see Table 1);

- Added reference to GB/T 9103-2013 (see Table 1);

- ISO 8312 has been removed;

- ISO 9298 was removed.

- Increased the determination of the volatile content of the sticky roll rubber (see 4.2).

The details of the precision in Chapter 8 of the International Standard are given in the Appendix A of the information and increase the precision data for t°C (90) (See Appendix A).

- ISO/T R9272, which is normative in international standards, is replaced by equivalent GB/T 14838 and is used in the reference Given.

This standard is proposed by China Petroleum & Chemical Corporation.

This standard by the National Rubber and Rubber Products Standardization Technical Committee of synthetic rubber sub-technical committee (SAC/TC35/SC6) Go back.

The drafting of this standard. China Petroleum and Natural Gas Co., Ltd. Petrochemical Research Institute, China Petroleum & Chemical Corporation Beijing Yanshan Branch.

1 Scope

This standard specifies the physical and chemical test methods for halogenated isobutylene-isoprene rubber (BIIR and CIIR), which provides for the evaluation of kneading Rubber vulcanization characteristics and evaluation of vulcanized rubber tensile stress - strain properties of the standard materials used, standard test formulations, equipment and methods of operation.

This standard applies to halogenated isobutylene-isoprene rubber (BIIR and CIIR).

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 528 vulcanized rubber or thermoplastic rubber tensile stress and strain properties of the determination (GB/T 528-2009, ISO 37.:2005, IDT) GB/T 1232.1 Unvulcanized rubber - Determination of disc shear viscometer - Part 1. Determination of Mooney viscosity (GB/T 1232.1-2000, neqISO 289-1..1994) GB/T 2941 Rubber physical test methods - General procedure for the preparation and adjustment of specimens (GB/T 2941-2006, ISO 23529. 2004, IDT)

GB/T 3185-1992 Zinc oxide (indirect method) GB/T 4498.1-2013 Determination of rubber ash content - Part 1. Muffle furnace method (ISO 247.:2006, MOD) GB/T 6038-2006 Rubber test compound preparation, kneading and vulcanization equipment and operating procedures (ISO 2393.:1994, MOD) GB/T 9103-2013 Industrial stearic acid GB/T 9869 Determination of vulcanization properties of rubber compounds - Disk oscillating vulcanization method (GB/T 9869-2014, ISO 3417.

2008, IDT)

GB/T 15340-2008 Natural, synthetic raw rubber samples and sample preparation methods
(ISO 1795.:2000, IDT) GB/T 16584 Rubber vulcanization properties were measured using
a rotorless vulcanizer (GB/T 16584-1996, eqvISO 6502..1991) GB/T 24131-2009
Determination of volatile content of raw rubber (ISO 248.:2005, MOD)

3.1 Sampling

According to GB/T 15340-2008 sampling about 1.5kg.

3.2 Sample preparation

Prepare samples according to GB/T 15340-2008.