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

GB/T 35503-2017

**Reclaimed isobutene-isoprene (IIR) rubber -- Evaluation
procedure**

(English Translation)

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Foreword

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

This standard uses redrafted Law Reference ISO/T S16096..2014 "Recycled isobutylene - isoprene (IIR) rubber evaluation method" series System, and ISO/T S16096..2014 degree of non-equivalent.

This standard proposed by the China Petroleum and Chemical Industry Federation.

This standard by the National Rubber and Rubber Products Standardization Technical Committee (SAC/TC35) centralized.

This standard was drafted. Fujian Branch of Central Chemical Rubber Group Co., Ltd., Fujian Province Institute of product quality inspection, Hangzhou Zhongce Rubber Limited, Xiamen Public Fergus Environmental Protection Technology Co., Ltd., Shenyang Rubber Research Institute Co., Ltd..

1 Scope

This standard specifies the evaluation of renewable isobutylene - Isoprene (IIR) rubber (referred to as "recycled butyl rubber") physical and chemical test side Method, standard materials for evaluation of vulcanizate properties, standard test formulations, equipment and operating procedures.

This standard applies to butyl rubber as the main body of waste tires, capsules, water tires, seals, corks and other rubber products department Separation of the system from the rubber.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Rubber, vulcanized or thermoplastic - Determination of tensile stress - strain properties
GB/T 531.1 vulcanized rubber or thermoplastic rubber test methods into the hardness
- Part 1. Shore Hardness Tester (Shore Hardness) GB/T 1232.1 unvulcanized rubber with a
disk shear viscometer - Part 1. Determination of Mooney viscosity GB/T 2941 Rubbery
physical test specimen preparation and conditioning procedures Rubber, solvent extraction
Rubber ash - Determination - Part 1. Muffle furnace method GB/T 6038 rubber test
compounding ingredients, mixing and curing equipment and operating procedures GB/T
7764 rubber identification infrared spectroscopy Rubber, vulcanized - Determination of
GB/T 9869 disk oscillation vulcanization method GB/T 13460 general specification for
recycled rubber GB/T 14837.1 Rubber and rubber products - Determination of components
of vulcanized and unvulcanized rubber by thermogravimetry - Part 1. Butadiene Rubber,
ethylene-propylene binary and ternary copolymers, isobutylene-isoprene rubber, isoprene
rubber, styrene-butadiene rubber GB/T 15340 natural, synthetic raw gum sampling and
sample preparation methods GB/T 25268 rubber vulcanizer user guide GB/T 29613.1
Rubber pyrolysis gas chromatographic analysis - Part 1. Identification of polymers (single
and combined)

3 Terms and definitions

GB/T 13460 defined terms and definitions apply to this document.

4 Sampling and sample preparation

4.1

According to GB/T 15340 describes the method to take about 1.5kg laboratory samples.

4.2

Press GB/T 15340 preparation of test samples.