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

GB/T 8081-2018

Replacing GB/T 8081-2008

**Rubber, raw natural -- Guidelines for the specification of
technically specified rubber (TSR)**

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Foreword

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

This standard replaces GB/T 8081-2008 "Natural Raw Rubber Technology Graded Rubber (TSR) Specifications Guide" (including No. 1 modification), and

Compared with the amendments to No. 1 of GB/T 8081-2008, the main technical changes are as follows.

--- Updated normative references (see Chapters 2 and 2, Chapter 2 and Table 2 of the.2008 edition);

--- Deleted "For the plastic bags produced by enterprises that have not been modified or expanded, the net content of each plastic bag can be executed at 40kg +/- 0.2kg, but since

For the plastic bags produced on January 1, 2015, the packaging specifications for each plastic bag with a net content of 40kg +/- 0.2kg should be stopped.

Amendment No. 1 of the.2008 edition);

--- Increased the TSR level and requirements of low viscosity constant viscosity (LoV) (see Tables 1 and 2);

--- Added reference to GB/T 24797.2 for packaging film requirements (see Chapters 2 and 8);

--- Modified the definition of the term "Gelyngel" (see 3.4, 3.4 of.2008);

--- Added description of SCR (see Table 2).

This standard uses the redrafting method to modify the ISO .2000.2014 "Natural Raw Rubber Technology Graded Rubber (TSR) Specifications Guide."

The technical differences between this standard and ISO .2000.2014 and their reasons are as follows.

---About the normative reference documents, this standard has made technical adjustments to adapt to the technical conditions of China, the adjustment situation

It is concentrated in Chapter 2, "Regulatory References", and the specific adjustments are as follows.

- * Replace ISO 289-1 with GB/T 1232.1 equivalent to the international standard;
- * Replace ISO .2007 with GB/T 3510 equivalent to international standards;
- * Replaced ISO 2930 with GB/T 3517 modified to adopt international standards;
- * Replace ISO 247 with GB/T 4498.1 modified to international standards;
- * Replace ISO 249 with GB/T 8086 modified to international standards;
- * Replace ISO 1656 with GB/T 8088 modified to adopt international standards;
- * Replace ISO 4660 with GB/T 14796 equivalent to the international standard;
- * Replace ISO 1795 with GB/T 15340 equivalent to the international standard;
- * Replace ISO 248-1 with GB/T 24131.1 modified to international standards.

--- Change the requirements for packaging film to directly reference the standard GB/T 24797.2 (see Chapter 2, Chapter 8, ISO .2000.2014)

Chapter 2, Chapter 8), with uniform requirements and ease of use.

--- Revised the definition of the term "Glass Gel" (see 3.4, ISO .2000..2014 3.4) to accommodate technological developments.

--- Removed the TSR level "5S" in ISO .2000.2014 (see Table 1 of ISO .2000.2014) because it is included in the specification

No such level.

--- Added the code name "SCR" and description of the domestic TSR (see Table 2) for ease of use.

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

This standard is made by the National Rubber and Rubber Products Standardization Technical Committee Natural Rubber Subcommittee (SAC/TC35/SC8)

Return to the mouth.

This standard was drafted. Agricultural Products Processing Institute of China Academy of Tropical Agricultural Sciences, Hainan Natural Rubber Industry Group Co., Ltd.,

Yunnan Agricultural Reclamation Group Co., Ltd., Guangdong Guangsheng Rubber Group Co., Ltd., Yunnan Province, natural rubber and coffee products quality supervision and inspection

Station, Ministry of Agriculture Natural Rubber Quality Supervision, Inspection and Testing Center, National Rubber and Latex Products Quality Supervision and Inspection Center, Shanghai Sinochem Technology

Limited company.

Introduction

Since ISO .2000 first specified the specifications for natural rubber, some different grades of raw rubber have appeared;

On the supply side, especially constant viscosity (CV) has made important progress. Therefore, it continues to strictly regulate those limited rubber grades.

Don't (this may also limit the further development of rubber), it is better to adopt a more open approach, that is, to all parties concerned (such as producers,

The supplier and the buyer) provide guidance and assistance in the specification of the technical graded rubber, rather than adding to the existing TSR.

Inappropriate restrictions.

The rubbers covered by this standard are usually made more stringent elsewhere. In some specific cases, this type of reference can be more precise specification.

Natural rubber technology graded rubber (TSR) specification guidelines

1 Scope

This standard provides guidelines for the specification of natural rubberized rubber graded rubber (TSR), which is classified according to the type of natural rubber and its properties.

Claim.

This standard applies to all parties involved in the TSR and may serve as a basis for setting more stringent requirements under certain circumstances. therefore,

This standard also lists some guidelines that require the consent of all parties concerned.

2 Normative references

The following documents are indispensable for the application of this document. 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.

GB/T 1232.1 Determination of non-vulcanized rubber - Part 1 . Determination of Mooney viscosity

(GB/T 1232.1-2016, ISO 289-1..2014, IDT)

GB/T 3510 Determination of plasticity of unvulcanized rubber - Rapid plasticity method (GB/T 3510-2006, ISO .2007..1991, IDT)

GB/T 3517 Determination of plastic retention rate (PRI) of natural rubber (GB/T 3517-2014, ISO 2930.2009, MOD)

GB/T 4498.1 Determination of rubber ash - Part 1 . Muffle furnace method (GB/T 4498.1-2013, ISO 247.2006, MOD)

GB/T 8086 Determination of impurities in natural rubber (GB/T 8086-2008, ISO 249.1995, MOD)

GB/T 8088 Determination of nitrogen content of natural rubber and natural latex (GB/T 8088-2008, ISO 1656.1996, MOD)

GB/T 14796 Determination of natural rubber color index (GB/T 14796-2008, ISO 4660.1999, IDT)

GB/T 15340 Natural and synthetic raw rubber sampling and its sample preparation method (GB/T 15340-2008, ISO 1795.2000, IDT)

GB/T 24131.1 Determination of volatile content of raw rubber - Part 1 . Hot roll method and oven method (GB/T 24131.1-2018, ISO 248-1.2011, MOD)

GB/T 24797.2 Film for rubber packaging - Part 2. Natural rubber (GB/T 24797.2-2014, ISO 20299-2. 2006, IDT)

ISO 17278 Determination of gel content of natural rubber graded rubber (TSR) [Rubber, rawnatural-Determina-

Tionofthegelcontentoftechnicalspecifiedrubber(TSR)]

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Technical grade rubber technicalspecifiedrubber; TSR