

ICS 83.060
CCS B 72



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

GB/T 14797.2-2008

Replacing GB/T 14797.2-1993

**Natural rubber latex concentrate -- Prevulcanized rubber latex --
Determination of viscosity**

浓缩天然胶乳 硫化胶乳黏度的测定

(English Translation)

Issued on: June 19, 2008

Implemented on: December 1, 2008

Issued by: Standardization Administration of China

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 5 Instruments
- 5.1 Viscometer

Foreword

This section GB/T Part of 214,797.

The partial modification of the use of ISO 1652:2004 "Determination of apparent viscosity latex viscometer Law" (in English).

This part of ISO 1652. The main difference compared to 2004 is as follows.

--- This section applies to vulcanized natural rubber latex, natural rubber latex also applies to natural rubber latex and latex raw material for the special preparation;

--- This section only provides L-type rotational viscometer one type of measuring instruments;

--- This section increases the measurement tolerance;

--- This section deleted Appendix A.

This Part replaces GB/T 14797.2-1993 "concentrated natural rubber latex vulcanized latex viscosity determination." Section compared with the GB/T 14797.2-1993 The main changes are as follows.

--- Increased Chapter 3, "Terms and Definitions";

--- Original Chapter 3, "test principle" to Chapter 4, "principle", according to the content of ISO 1652:2004 modified;

--- Increased Chapter 6 sampling;

--- Increased Chapter 10, "tolerance", the other reg numbers make appropriate adjustments;

--- Deletion of Appendix A.

This section proposed by the People's Republic of China Ministry of Agriculture.

This part of the National Rubber and rubber products natural rubber Standardization Technical Committee Technical Committee (SAC/TC35/SC8) Centralized.

This section drafted by. China Tropical Agricultural Sciences Institute of Agro.

1 Scope

GB/T 14797 in this section specifies the method with L-type rotary viscometer vulcanized natural rubber latex viscosity.

This section applies to the determination of vulcanized natural rubber latex viscosity, also apply to natural latex and natural rubber latex as a raw material for preparing special latex Determination of apparent viscosity.

2 Normative references

The following documents contain provisions which, through reference GB/T 14797 in this section, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 8290 Natural rubber latex concentrate sampling (GB/T 8290-1987, neq ISO 123. 1985) GB/T 8298 Natural rubber latex concentrate - Determination of total solids content (GB/T 8298-2001, eqv ISO 124:1997)

3 Terms and Definitions

The following terms and definitions apply GB/T 14797 in this section.

According to GB/T 8290 regulations take appropriate tests latex, stir as a laboratory sample.

Principle 4

A rotary viscometer viscosity, is about a specific rotor immersed in the latex to a predetermined depth, at a constant rotational frequency and controllable Manufactured under a shear rate of rotation, in order to determine the torque generated by the latex viscosity. Used with the rotor rotational frequency and size of the transfer coefficients are multiplied by Moments viscosity readings obtained. Undiluted or diluted to the desired total solids content of the latex can be measured.

This section relates to the principles of the viscometer model operated by hand, rather than operate with a finger. Now the best operating instructions.

5.1 Viscometer

Viscometer by a synchronous electric motor, the motor drive shaft at a constant rotational frequency axis can be connected to different shapes and the size of the rotor. Speed \u200b\u200bdigital rotational frequency can be selected from the table. The intention of this section is to provide a speed, but speed is also actually the other be usable. The rotor is immersed in the latex to a predetermined depth, the rotor is rotated in the latex, then, the rotor resistance will produce a shaft Torque. The resulting balance of torque by the pointer indicates engraved with 0 to 100 scale units 1).

1) Suitable instruments can obtain from the following several places. such as BrookfieldEngineeringLaboratorie, Inc. , Stoughton, Mass. 02072, USA (LVF LVT type and L-type instruments in line with requirements); GebruderHaakeGmbH, Dieselstr. 4, D-76227Karlsruhe, Ger-many; Shanghai Precision Instrument Co., NDJ-1. This information is given for the convenience of users of this part, does not mean that this product Recognition.