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JIS K 6387-2 : 1998

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Latex, rubber—Determination of total solids content

ICS 83.040.10

Descriptors : natural rubber, synthetic rubber, sampling methods, latices, determination of content, solids

Reference number : JIS K 6387-2 : 1998 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

In order to conform to the International Standard, this Standard has been prepared based on **ISO 124 : 1997** *Latex, rubber—Determination of total solids content*.

JIS K 6387 consists of the following 2 parts under the general title *Rubber latex*.

Part 1 : Sampling

Part 2 : Determination of total solids content

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In the event of any doubts arising as to the contents,
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Latex, rubber— Determination of total solids content

Introduction This Japanese Industrial Standard has been prepared based on **ISO 124 Latex, rubber—Determination of total solids content** published in 1997, without any modification in technical contents.

The portion underlined with dots in this Standard is the matter not included in the original International Standard.

Warning — Persons using this Standard shall be familiar with normal laboratory practice. This Standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices.

1 Scope This Standard specifies a method for the determination of the total solids content of natural rubber latex concentrate and synthetic rubber latex. This method is not applied to latex from natural sources other than *Hevea brasiliensis*, vulcanized latex, compounded latex or artificial dispersions of rubber.

Remarks : The corresponding standard to this Standard is as follows.

ISO 124 : 1997 *Latex, rubber—Determination of total solids content*

2 Normative reference The following standard contains provisions which, through reference in this Standard, constitute provisions of this Standard. If the indication of the year of publication is given to the referred standard, only the edition of the indicated year constitutes the provision of this Standard but the revision and amendment made thereafter do not apply. The normative reference without the indication of the year of coming into effect applies only to the most recent edition (including amendments).

JIS K 6387-1 *Rubber latex—sampling*

Remarks : **ISO 123 : 1985 Rubber latex—Sampling** is equivalent to the said standard.

3 Principle A test portion is heated to constant mass in an oven under specified conditions, either at atmospheric pressure or under vacuum. The total solids content is determined by weighing before and after heating.

Remarks : The determination of the residue after drying for a specified period of time is specified in **ISO 1625 Plastics—Polymer dispersions—Determination of non-volatile matter (residue) at specified temperatures** (to be published—revision of **ISO 1625 : 1977**).

4 Apparatus The apparatus shall be the ordinary laboratory apparatus and the following:

4.1 Flat-bottomed dishes, lipless, of diameter approximately 60 mm.

4.2 Oven, capable of being maintained at $70\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ or $105\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$.