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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Rubber Manufacturers Association (JRMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS K 6249** : 2003), which has been technically revised.

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Physical testing methods for uncured and cured silicone rubber

1 Scope

This Japanese Industrial Standard specifies the test methods for millable type of silicone rubber compound (hereafter referred to as millable type of silicone rubber) and liquid silicone rubber compound (hereafter referred to as liquid silicone rubber). Silicone rubber compound includes silicone polymer prior to the addition of various additives.

WARNING 1 Persons using this Standard should 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 of this Standard to establish appropriate safety and health practices.

WARNING 2 Procedures specified in this Standard may involve the use or generation of substances, or the generation of waste, that could constitute environmental hazards. Relevant laws and regulatory requirements should be complied with for all actions, including handling and disposal.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent editions (including amendments) shall be applied.

JIS C 2110-1 *Solid electrical insulating materials — Test methods for electric strength — Part 1: Tests at power frequencies*

JIS C 2139-2-1 *Dielectric and resistive properties of solid insulating materials — Part 2-1: Relative permittivity and dissipation factor — Technical frequencies (0.1 Hz to 10 MHz)*

JIS C 2139-2-2 *Dielectric and resistive properties of solid insulating materials — Part 2-2: Relative permittivity and dissipation factor — High frequencies (1 MHz to 300 MHz)*

JIS C 2320 *Electrical insulating oils*

JIS K 2220 *Lubricating grease*

JIS K 6200 *Rubber — Vocabulary*

JIS K 6250 : 2019 *Rubber — General procedures for preparing and conditioning*