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**JIS K 6249** : 2003

(JRMA/JSA)

**Testing methods for uncured and  
cured silicone rubber**

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## Foreword

This translation has been made based on the original Japanese Industrial Standard 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)/the Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS K 6249 : 1997** is replaced with this Standard.

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In the event of any doubts arising as to the contents,  
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## Testing methods for uncured and cured silicone rubber

**Introduction** Silicone rubber has the characteristics which are not found in other organic rubber. Therefore, **JIS K 6249** has been established in 1997 as the test methods for the evaluation of the characteristics. This time, this Standard has been revised as the second edition.

**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 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”).

**2 Normative references** The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS C 2320 *Electrical insulating oils*
- JIS K 2220 *Lubricating grease*
- JIS K 6200 *Rubber—Vocabulary*
- JIS K 6250 *Rubber—General rules of physical testing methods*
- JIS K 6251 *Tensile testing methods for vulcanized rubber*
- JIS K 6252 *Rubber, vulcanized or thermoplastics—Determination of tear strength*
- JIS K 6253 *Hardness testing methods for rubber, vulcanized or thermoplastic*
- JIS K 6257 *Accelerated aging test methods for vulcanized rubber*
- JIS K 6258 *Testing methods of the effect of liquids for vulcanized rubber*
- JIS K 6262 *Permanent set testing methods for rubber, vulcanized or thermoplastic*
- JIS K 6268 *Rubber, vulcanized—Determination of density*
- JIS K 6271 *Rubber, vulcanized or thermoplastics—Determination of volume and surface resistivity*
- JIS K 6300-2 *Rubber, unvulcanized—Physical property—Part 2 : Determination of cure characteristics with oscillating curemeters*
- JIS K 6850 *Adhesives—Determination of tensile lap-shear strength of rigid-to-rigid bonded assemblies*
- JIS K 7117-1 *Plastics—Resins in the liquid state or as emulsions or dispersions—Determination of apparent viscosity by the Brookfield Test method*