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Rubber, vulcanized or thermoplastic—Determination of heat ageing properties

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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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)/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 6257**:2010 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Rubber, vulcanized or thermoplastic— Determination of heat ageing properties

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 188**:2011, Edition 5, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JC.

1 Scope

This Standard specifies the method for determining the heat ageing properties of vulcanized rubber and thermoplastic rubber according to the accelerated ageing test and/or the heat resistance test. The test methods include the following Method A and Method B.

a) **Method A**, using the forced circulation type heat ageing test machine provided with an air blower

b) **Method B**, using the cell type heat ageing test machine or the natural ventilation type heat ageing test machine in which the air in test oven is ventilated slowly by convection

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 188:2011 *Rubber, vulcanized or thermoplastic—Accelerated ageing and heat resistance tests* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

WARNING 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 to establish appropriate safety and health practices.

2 Normative references

The following standard contains provisions which, through reference in this text, constitute provisions of this Standard. The most recent edition of the standard (including amendments) indicated below shall be applied.

JIS C 1602 *Thermocouples*

JIS K 6200 *Rubber—Vocabulary*

JIS K 6250 *Rubber—General procedures for preparing and conditioning test pieces for physical test methods*