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Rubber compounding ingredients — Organic chemicals — Part 5: Test methods of organic peroxides

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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 Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment 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.

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

JIS K 6220 series consists of the following 5 parts under the general title *Rubber compounding ingredients — Organic chemicals —* :

Part 1 : General

Part 2 : Sulfenamide accelerators

Part 3 : p-Phenylenediamine antidegradants (PPDs)

Part 4 : Abbreviated terms

Part 5 : Test methods of organic peroxides

Rubber compounding ingredients — Organic chemicals — Part 5 : Test methods of organic peroxides

Introduction

This Japanese Industrial Standard has been prepared based on ISO 14932 : 2012, Edition 1, with some modifications and additions of the technical contents to meet the local needs and conditions in Japan.

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 JA.

1 Scope

This Standard specifies methods for the determination of the content of the organic peroxides used as rubber vulcanizing agents.

NOTE 1 Organic peroxides are generally diluted with inert solvents or inorganic fillers for explosion protection and are also treated as master batches or the like. Some of them exist as an undiluted single chemical, in which case the term "content" has the same meaning as assay.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 14932 : 2012 *Rubber compounding ingredients — Organic vulcanizing agents — Determination of organic peroxide content* (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 of this Standard to establish appropriate safety and health practices.

2 Normative references

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

JIS K 0050 *General rules for chemical analysis*

JIS K 0123 *General rules for gas chromatography / mass spectrometry*

JIS K 0211 *Technical terms for analytical chemistry (General part)*