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**Rubber compounding ingredients—
Organic chemicals—Test methods—
Part 3: *p*-Phenylenediamine
antidegradants (PPDs)**

ICS 83.040.20

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In the event of any doubts arising as to the contents,
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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 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 6220-3**:2001 is replaced with this Standard.

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JIS K 6220 series consists of the following three parts under the general title “*Rubber compounding ingredients*”:

JIS K 6220-1 *Rubber compounding ingredients—Organic chemicals—Test methods—Part 1: General*

JIS K 6220-2 *Rubber compounding ingredients—Organic chemicals—Test methods—Part 2: Sulfenamide accelerators*

JIS K 6220-3 *Rubber compounding ingredients—Organic chemicals—Test methods—Part 3: p-Phenylenediamine antidegradants (PPDs)*

JIS K 6220-4 *Rubber compounding ingredients—Organic chemicals—Part 4: Abbreviated terms*

Rubber compounding ingredients— Organic chemicals—Test methods— Part 3: *p*-Phenylenediamine antidegradants (PPDs)

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 11236:2017**, Edition 2, with some modifications of the technical contents.

The 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 test methods for the purity of *p*-phenylenediamine antidegradants (hereafter referred to as PPDs) used as a rubber compounding ingredient.

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.

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

ISO 11236:2017 *Rubber compounding ingredients—*p*-Phenylenediamine antidegradants (PPDs)—Test methods* (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**.

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

JIS K 5600-1-2 *Testing methods for paints—Part 1: General rules—Section 2: Sampling*

NOTE : Corresponding International Standard: ISO 15528 *Paints varnishes and raw materials for paints and varnishes—Sampling*

JIS K 6220-4 *Rubber compounding ingredients—Organic chemicals—Part 4: Abbreviated terms*

JIS K 8032 *Acetonitrile (Reagent)*