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JIS K 6219-4 : 2006

(JRMA/JSA)

**Carbon black for rubber industry —
Characteristics of pelletized carbon
black — Part 4 : Determination of pellet
size distribution**

ICS 83.040.20

Reference number : JIS K 6219-4 : 2006 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for establishment 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.

Consequently JIS K 6219 : 1997 is replaced with JIS K 6219-1, JIS K 6219-2, JIS K 6219-3 and JIS K 6219-4.

This part of JIS K 6219 has been made based on ISO 8511:1995 *Rubber compounding ingredients—Carbon black—Determination of pellet size distribution* for the purpose of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS K 6219 consists of the following 4 parts under the general title “*Carbon black for rubber industry—Characteristics of pelletized carbon black*”:

Part 1: Determination of fines content

Part 2: Determination of pour density

Part 3: Determination of individual pellet crushing strength

Part 4: Determination of pellet size distribution

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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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Carbon black for rubber industry—Characteristics of pelletized carbon black—Part 4 : Determination of pellet size distribution

Introduction This Japanese Industrial Standard has been prepared based on the second edition of *ISO 8511 Rubber compounding ingredients—Carbon black—Determination of pellet size distribution* published in 1995 with only a minor degree of modification.

The portions underlined with dots are the matters in which the contents of the original International Standard have been modified. A list of modifications with the explanations is given in Annex (informative).

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 and to ensure compliance with any national regulatory conditions.

1 Scope This part of **JIS K 6219** specifies a method for the determination of the pellet size distribution of carbon black, which is used as a rubber of compounding ingredient in rubber industry (hereafter referred to as “carbon black”).

Remarks : The International Standard corresponding to this part of **JIS K 6219** is as follows.

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*.

ISO 8511 : 1995 Rubber compounding ingredients—Carbon black—Determination of pellet size distribution (MOD)

2 Normative references The following standards contain provisions which, through reference in this text, constitute the provisions of this part of **JIS K 6219**. If the year of publication is given to these referred standards, only the edition of the indicated year constitutes the provision of this part of **JIS K 6219** but the revision and amendment made thereafter do not apply. The normative references without the indication of the year of coming into effect apply only to the most recent editions (including amendments).

JIS K 6216-1 Carbon black for rubber industry—General matters—Part 1 : Carbon