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**Rubber, vulcanized or  
thermoplastic—Determination of  
stress-strain 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 6254:2010** is replaced with this Standard.

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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 stress-strain properties

## Introduction

This Japanese Industrial Standard has been prepared based on the fourth edition of **ISO 7743** published in 2011 with some modifications of the technical contents, mainly the addition of the tensile deformation requirements that are not given in the said corresponding **ISO** Standard.

The vertical lines on both sides of the text 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 determination of the stress-strain properties of vulcanized or thermoplastic rubber using a standard test piece, a product or a part of a product to measure the compression force or tensile force.

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

ISO 7743:2011 *Rubber, vulcanized or thermoplastic—Determination of compression stress-strain properties* (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 standards contain provisions which, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent edition (including amendments) shall be applied.

JIS K 6200 *Rubber—Vocabulary*

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

**NOTE** : Corresponding International Standard: *ISO 23529 Rubber—General procedures for preparing and conditioning test pieces for physical test methods* (MOD)