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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 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 a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS K 6330-2** : 2013), which has been technically revised.

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 6330 series consists of the following 11 parts:

JIS K 6330-1 *Testing methods for rubber and plastics hoses — Part 1: Methods of measurement of dimensions for hoses and hose assemblies*

JIS K 6330-2 *Rubber and plastics hoses and hose assemblies — Part 2: Hydrostatic testing*

JIS K 6330-3 *Testing methods for rubber and plastics hoses and hose assemblies — Part 3: Determination of resistance to vacuum*

JIS K 6330-4 *Testing methods for rubber and plastics hoses — Part 4: Sub-ambient temperature flexibility tests*

JIS K 6330-5 *Testing methods for rubber and plastics hoses — Part 5: Determination of electrical resistance*

JIS K 6330-6 *Rubber and plastics hoses — Part 6: Determination of adhesion between components*

JIS K 6330-7 *Rubber and plastics hoses — Part 7: Assessment of ozone resistance under static conditions*

JIS K 6330-8 *Testing methods for rubber and plastics hoses — Part 8: Hydraulic-pressure impulse test without flexing*

JIS K 6330-9 *Testing methods for rubber and plastics hoses — Part 9: Bending properties of hoses and tubing*

JIS K 6330-10 *Testing methods for rubber and plastics hoses — Part 10: Determination of transmission of liquids through hose walls*

JIS K 6330-11 *Testing methods for rubber and plastics hoses — Part 11: Determination of abrasion resistance of the outer cover*

Rubber and plastics hoses and hose assemblies — Part 2: Hydrostatic testing

Introduction

This Japanese Industrial Standard has been prepared based on ISO 1402 : 2021, Edition 5, with some modifications of the technical contents.

Annex JA is unique to JIS and not given in the corresponding International Standard. 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 JB.

1 Scope

This Standard specifies methods for the hydrostatic testing of rubber and plastics hoses (hereafter referred to as hoses) and hose assemblies. The hydrostatic testing covered by this Standard is the proof pressure hold test, the test of deformation under pressure, the burst pressure test, the leakage test and the airtightness test.

WARNING Persons carrying out tests based on 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 1402 : 2021 *Rubber and plastics hoses and hose assemblies—Hydrostatic testing* (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

Part or all of the provisions of the following standards, 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 6250 *Rubber — General procedures for preparing and conditioning test pieces for physical test methods*

NOTE Normative reference in the corresponding International Standard: ISO 23529 *Rubber — General procedures for preparing and conditioning test pieces for physical test methods*

JIS Z 8401 *Rounding of numbers*

ISO 7751 *Rubber and plastics hoses and hose assemblies — Ratios of proof and*