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Crosslinked polyethylene (PE-X) pipes for water supply

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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 Japan Cross Linked Polyethylene Pipe Association (JXPA)/The Japan Plastics Industry Federation (JPIF)/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 6787**: 1997 is replaced with this Standard.

This revision has been made based on **ISO 15875-2**: 2003 Plastics piping systems for hot and cold water installations—Crosslinked polyethylene (PE-X)—Part 2: Pipes for the purposes 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.

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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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Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO 15875-2** Plastics piping systems for hot and cold water installations—Crosslinked polyethylene (PE-X)—Part 2: Pipes published in 2003 with modifying some technical contents.

Portions sidelined or underlined with dots are the matters modified from the original International Standard. The list of modification with its explanation is given in annex 6 (informative).

1 Scope This Standard specifies the crosslinked polyethylene (PE-X) pipes to be mainly used for indoor piping (hereafter referred to as "pipes") for water works of which the working pressure is not more than 0.75 MPa. However, the crosslinked polyethylene pipes shall be in accordance with **JIS K 6769**.

Remarks: The International Standard corresponding to this Standard 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 15875-2: 2003 Plastics piping systems for hot and cold water installations—Crosslinked polyethylene (PE-X)— Part 2: Pipes (MOD)

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

JIS B 7502 Micrometer callipers

JIS B 7507 Vernier, dial and digital callipers

JIS K 0050 General rules for chemical analysis

JIS K 6769 Crosslinked polyethylene (XPE) pipes

JIS K 6788 Crosslinked polyethylene (XPE) pipe fittings for water works

JIS K 6796 Pipes and fitting made of crosslinked polyethylene (PE-X)—Estimation of the degree of crosslinking by determination of the gel content

JIS K 6900 Plastics—Vocabulary

JIS K 6922-1 Plastics—Polyethylene (PE) moulding and extrusion materials— Part 1: Designation system and basis for specifications

JIS K 6922-2 Plastics—Polyethylene (PE) moulding and extrusion materials—
Part 2: Preparation of test specimens and determination of properties