JIS

JAPANESE INDUSTRIAL STANDARD

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JIS K 6375 : 1999

(ISO 3949 : 1991)

Plastics hoses and hose assemblies—Thermoplastics, textile-reinforced, hydraulic type—Specification

ICS 23.100.30; 83.140.40

Descriptors : pipes, flexible tubing, hydraulic equipment, hydraulic fluids, reinforcing materials, textile products, thermoplastic polymers

Reference number : **JIS K 6375 : 1999 (E)**

K 6375 : 1999 (ISO 3949 : 1991)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS K 6375** : 1994 is replaced with **JIS K 6375** : 1999.

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JAPANESE INDUSTRIAL STANDARD JIS K 6375:1999 (ISO 3949 : 1991)

Plastics hoses and hose assemblies—Thermoplastics, textile-reinforced, hydraulic type—Specification

Introduction This Japanese Industrial Standard has been prepared based on the second edition issued in 1991 of **ISO 3949**, *"Plastics hoses and hose assemblies—Thermoplastics, textile-reinforced, hydraulic type—Specification"* without changing the technical contents.

The "References" side-lined or underlined with dots in this Standard are items not included in the original International Standard.

1 Scope This Japanese Industrial Standard specifies requirements for two types of thermoplastics hose with textile reinforcement, with design working pressures in the range 6.9 MPa to 34.5 MPa. The hoses are suitable for use with petroleum-based hydraulic fluids, water and synthetic-based hydraulic fluids within a temperature range of −40 ℃ to +100 ℃.

Reference : Synthetic-based hydraulic fluids mean, in general, flame retardant hydraulic fluids (liquids), made from synthetic compounds, such as esters, halogenated hydrocarbons etc.

The Standard does not include requirements for end fittings. It is limited to the performance of hoses and hose assemblies.

Note 1 Operating temperatures in excess of 93 ℃ may reduce the life of the hose.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. If the indication of the year of coming into effect is given to these referred standards, only the edition of indicated year constitutes the provision of this Standard but the revision and amendment made thereafter are not applied. The normative references without the indication of the year of coming into effect apply limiting only to the most recent edition (including the Amendment).

JIS K 6258 *Testing methods of the effect of liquids for vulcanized rubber*

Remarks : The provision cited from **ISO 1817** : 1985, *Rubber, vulcanized —Determination of the effect of liquids* is equivalent to the relevant provision in this said Standard.

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

Remarks : The provision cited from **ISO 4671** : 1984 , *Rubber, and plastics hose and hose assemblies—Methods of measurement of dimensions* is equivalent to the relevant provision in this said Standard.

JIS K 6330-2 *Testing methods for rubber and plastics hoses—Part 2 : Hydrostatic testing*

Remarks: The provision cited from **ISO 1402** : 1994 , *Rubber and plastics hoses and hose assemblies—Hydrostatic testing* is equivalent to the relevant provision in this said Standard.

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