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JIS K 6771 : 1995

Flexible vinyl tube

ICS 23.040.20

Descriptors : polyvinyl chloride, visual inspection (testing), tensile strength, tensile testing, hydraulic tests, ageing tests, weather resistance, environmental testing, water transport, flexible pipes, plastics

Reference number : JIS K 6771 : 1995 (E)

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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:

Date of Establishment: 1954-12-18

Date of Revision: 1995-12-01

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In the event of any doubts arising as to the contents,
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Flexible vinyl tube

1. Scope

This Japanese Industrial Standard specifies the flexible vinyl tube, hereinafter referred to as the "tube", to be used mainly for the transportation of liquid.

Remarks 1. Normative reference to this Standard is as follows:

JIS B 7502-Micrometer callipers

2. In this Standard, units and numerical values given in { } are based on the traditional units, and are given for reference.

2. Quality

The tube shall satisfy the requirements specified in Table 1, when tested in accordance with 6.

Table 1 Quality

Appearance			No defect nor unevenness on the inside and outside surfaces of the tube, free from foreign matters
Tensile strength (N/mm ²) {kgf/mm ² }			13.7 { 1.4 } min.
Elongation (%)			200 min.
Hydraulic test			To pass
Aging test Rate of change in tensile strength and elongation (%)			± 20
Low temperature test			No cracking nor fissure
Immersion test	Water	Rate of water absorption (%)	0.5 max.
		Rate of extraction (%)	0.5 max.
	Brine (%)		± 0.5
	Sulfuric acid (%)		± 0.5
	Nitric acid (%)		± 5
	Sodium hydroxide solution (%)		± 5

3. Dimension

The dimensions of the tube shall be as specified in Table 2.