

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS K 6777 : 2016

(JPPFA/JPIF/JSA)

**Chlorinated poly(vinyl chloride)
(PVC-C) pipe fittings for hot and
cold water supply**

ICS 23.040.45;83.140.30;91.140.60

Reference number : **JIS K 6777 : 2016 (E)**

K 6777 : 2016

Date of Establishment: 1984-02-01

Date of Revision: 2016-10-20

Date of Public Notice in Official Gazette: 2016-10-20

Investigated by: Japanese Industrial Standards Committee
Standards Board for ISO area

Technical Committee on Chemical Products and
Analytical Methods

JIS K 6777:2016, First English edition published in 2017-02

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

© JSA 2017

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

NH/AT

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	2
4 Classification and symbols.....	3
5 Performance.....	3
6 Appearance and shape.....	4
6.1 Appearance.....	4
6.2 Shape.....	5
7 Dimensions and tolerances.....	5
7.1 Dimensions and tolerances of sockets of fittings.....	5
7.2 Dimensions and tolerances of fittings.....	5
8 Material.....	5
9 Test methods.....	5
9.1 Performance tests.....	5
9.2 Appearance and shape.....	7
9.3 Dimensions.....	7
9.4 Expression of test results.....	7
10 Inspection.....	7
11 Marking.....	8
11.1 Colour of fittings.....	8
11.2 Marking on fittings.....	8
11.3 Handling precautions.....	8
Annex JA (normative) Test method for effect to water quality of chlorinated poly(vinyl chloride) (PVC-C) pipe fittings for hot and cold water supply (Type A).....	25
Annex B (informative) Comparison table between JIS and corresponding International Standards.....	27

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 PVC Pipe and Fittings Association (JPPFA)/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 6777:2011** is replaced with this Standard.

However, **JIS K 6777:2011** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until October 19, 2017.

This **JIS** document is protected by the Copyright Law.

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.

Chlorinated poly(vinyl chloride) (PVC-C) pipe fittings for hot and cold water supply

Introduction

This Japanese Industrial Standard has been prepared based on the second editions of **ISO 15877-1** and **ISO 15877-3** published in 2009 with some modifications of the technical contents including addition of requirements concerning product dimensions and performance and their test methods that are widely used in Japan.

Sidelines or dotted underlines indicate changes from the corresponding International Standards. A list of modifications with explanations is given in Annex JB.

1 Scope

This Standard specifies chlorinated poly(vinyl chloride) (PVC-C) fittings (hereafter referred to as fittings) used mainly for adhesion-jointing of the chlorinated poly(vinyl chloride) (PVC-C) pipes (hereafter referred to as pipes) for hot and cold water supply specified in **JIS K 6776**.

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

ISO 15877-1:2009 *Plastics piping systems for hot and cold water installations—Chlorinated poly(vinyl chloride) (PVC-C)—Part 1: General*

ISO 15877-3:2009 *Plastics piping systems for hot and cold water installations—Chlorinated poly(vinyl chloride) (PVC-C)—Part 3: Fittings (overall evaluation: MOI)*

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

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 B 0203 *Taper pipe threads*

JIS B 7502 *Micrometers*

JIS B 7507 *Vernier, dial and digital callipers*

JIS K 6776 *Chlorinated poly(vinyl chloride) (PVC-C) pipes for hot and cold water supply*