

---

---

**Plastics piping systems for hot and  
cold water installations — Chlorinated  
poly(vinyl chloride) (PVC-C) —**

**Part 2:  
Pipes**

**AMENDMENT 2**

*Systèmes de canalisations en plastique pour les installations d'eau  
chaude et froide — Poly(chlorure de vinyle) chloré (PVC-C) —*

*Partie 2: Tubes*

*AMENDEMENT 2*

**PROOF / ÉPREUVE**

---

---



**iTeh STANDARD PREVIEW**  
(standards.iteh.ai)  
Full standard:  
<https://standards.iteh.ai/catalog/standards/sist/01c3ee60-99ab-490f-905b-5dcd49fa3b05/iso-15877-2-2009-prf-amd-2>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems*, in collaboration with ISO Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 2, *Plastics pipes and fittings for water supplies*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 15877 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

Full standard:  
<https://standards.iteh.ai/catalog/standards/sist/01c3ee60-99ab-490f-905b-5dcd49fa3b05/iso-15877-2-2009-prf-amd-2>

# Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) —

## Part 2: Pipes

### AMENDMENT 2

#### 6.3.1, [Table 3](#)

Replace [Table 3](#) with the following table:

**Table 3 — Diameters and wall thicknesses**

Dimensions in millimetres

Nominal size DN/OD	Nominal outside diameter	Mean outside diameter		Pipe series		
				S 6,3	S 5	S 4
				Wall thicknesses		
	$d_n$	$d_{em, min}$	$d_{em, max}$	$e_{min}$ and $e_n$		
12	12	12,0	12,2	1,4	1,4	1,4
14	14	14,0	14,2	1,4	1,4	1,6
16	16	16,0	16,2	1,4	1,5	1,8
20	20	20,0	20,2	1,5	1,9	2,3
25	25	25,0	25,2	1,9	2,3	2,8
32	32	32,0	32,2	2,4	2,9	3,6
40	40	40,0	40,2	3,0	3,7	4,5
50	50	50,0	50,2	3,7	4,6	5,6
63	63	63,0	63,3	4,7	5,8	7,1
75	75	75,0	75,3	5,6	6,8	8,4
90	90	90,0	90,3	6,7	8,2	10,1
110	110	110,0	110,4	8,1	10,0	12,3
125	125	125,0	125,4	9,2	11,4	14,0
140	140	140,0	140,5	10,3	12,7	15,7
160	160	160,0	160,5	11,8	14,6	17,9
180	180	180,0	180,6	13,3	16,4	20,1
200	200	200,0	200,6	14,7	18,2	22,4
225	225	225,0	225,7	16,6	20,5	25,2
250	250	250,0	250,8	18,4	22,7	27,9

NOTE Sizes conform to ISO 4065 and are applicable for all classes of service conditions.

#### 6.3.1, [Table 4](#)

Replace [Table 4](#) with the following table:

**Table 4 — Tolerances on wall thicknesses**

Dimensions in millimetres

Minimum wall thickness		Tolerance <sup>a</sup>	Minimum wall thickness		Tolerance <sup>a</sup>
$e_{\min}$		$x$	$e_{\min}$		$x$
>	≤		>	≤	
1,0	2,0	0,4	17,0	18,0	2,0
2,0	3,0	0,5	18,0	19,0	2,1
3,0	4,0	0,6	19,0	20,0	2,2
4,0	5,0	0,7	20,0	21,0	2,3
5,0	6,0	0,8	21,0	22,0	2,4
6,0	7,0	0,9	22,0	23,0	2,5
7,0	8,0	1,0	23,0	24,0	2,6
8,0	9,0	1,1	24,0	25,0	2,7
9,0	10,0	1,2	25,0	26,0	2,8
10,0	11,0	1,3	26,0	27,0	2,9
11,0	12,0	1,4	27,0	28,0	3,0
12,0	13,0	1,5			
13,0	14,0	1,6			
14,0	15,0	1,7			
15,0	16,0	1,8			
16,0	17,0	1,9			

<sup>a</sup> The tolerance is expressed in the form  $0^{+x}$  mm, where "x" is the value of the tolerance given. The level of the tolerances conforms to Grade W in ISO 11922-1.

Clause 8, Table 10

Add footnote <sup>b</sup> to "Vicat softening temperature (VST)".

<sup>b</sup> Test samples can be annealed prior to testing at conditions recommended by the manufacturer.

Clause 8, Table 11

Add footnote <sup>b</sup> to "Vicat softening temperature (VST)".

<sup>b</sup> Test samples can be annealed prior to testing at conditions recommended by the manufacturer.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

Full standard:  
<https://standards.iteh.ai/catalog/standards/sist/01c3ee60-99ab-490f-905b-5dcd49fa3b05/iso-15877-2-2009-prf-amd-2>

**iTeh STANDARD PREVIEW**  
(standards.iteh.ai)  
Full standard:  
<https://standards.iteh.ai/catalog/standards/sist/01c3ee60-99ab-490f-905b-5dcd49fa3b05/iso-15877-2-2009-prf-amd-2>