# INTERNATIONAL STANDARD

# ISO 22391-2

Second edition 2009-12-01 **AMENDMENT 1** 2020-11

Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) —

Part 2:

# iTeh STANDARD PREVIEW (stamENDMENT.1i)

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide -- Polyéthylène de meilleure résistance à la https://standards.iteh\_a/catalog/standard

Partie 2: Tubes AMENDEMENT 1



Reference number ISO 22391-2:2009/Amd.1:2020(E)

<u>ISO 22391-2:2009/Amd 1:2020</u> https://standards.iteh.ai/catalog/standards/sist/ff057642-6be4-4278-a466df9717f27ebc/iso-22391-2-2009-amd-1-2020



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This document was prepared by 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 collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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<u>ISO 22391-2:2009/Amd 1:2020</u> https://standards.iteh.ai/catalog/standards/sist/ff057642-6be4-4278-a466df9717f27ebc/iso-22391-2-2009-amd-1-2020

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# Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) —

# Part 2: **Pipes**

### **AMENDMENT 1**

### 6.2.2, Table 3

Replace Table 3 with the following table:

# Table 3 — Pipe dimensions for dimension class A (sizes in accordance with ISO 4065 and applicable for all classes of service condition)

	iTeh S	TAND	ARD P	REVI	EW	Dimensions	in millimetres	
		(stor doude stol		Pipe series				
Nominal size	Nominal out- side diameter	Mean outs	ide diameter	<b></b>	S 4	S 3,2	S 2,5	
DN/OD	Side didineter	ISO 22201 2:2000/Amd 1:2		Wall thicknesses				
	https://standards.	itehzemaming/stand?em/maxff057		$\frac{020}{7642-6bc4-4278-a466}e_{\min}$ and $e_{n}$				
12	12 df97	17f2 <b>1/2b0/iso</b> -2		md-1123020	1,4	1,7	2,0	
16	16	16,0	16,3	1,5	1,8	2,2	2,7	
20	20	20,0	20,3	1,9	2,3	2,8	3,4	
25	25	25,0	25,3	2,3	2,8	3,5	4,2	
32	32	32,0	32,3	2,9	3,6	4,4	5,4	
40	40	40,0	40,4	3,7	4,5	5,5	6,7	
50	50	50,0	50,5	4,6	5,6	6,9	8,3	
63	63	63,0	63,6	5,8	7,1	8,6	10,5	
75	75	75,0	75,7	6,8	8,4	10,3	12,5	
90	90	90,0	90,9	8,2	10,1	12,3	15,0	
110	110	110,0	111,0	10,0	12,3	15,1	18,3	
125	125	125,0	126,2	11,4	14,0	17,1	20,8	
140	140	140,0	141,3	12,7	15,7	19,2	23,3	
160	160	160,0	161,5	14,6	17,9	21,9	26,6	
180	180	180,0	181,7	16,4	20,1	24,6	29,9	
200	200	200,0	201,8	18,2	22,4	27,4	33,2	
225	225	225,0	227,1	20,5	25,2	30,8	37,4	
250	250	250,0	252,3	22,7	27,9	34,2	41,5	
NOTE A non-preferred wall thickness of 1,1 mm is permitted for $d_n = 12$ .								

#### 6.2.2. Table 7

Replace Table 7 with the following table:

Minimum wall thickness		<b>Tolerance</b> <sup>a</sup>	Minimum wa	all thickness	Tolerance <sup>a</sup>				
$e_{\min}$		Х	$e_{\min}$		х				
>	≤		>	≤					
1,0	2,0	0,3	25,0	26,0	2,7				
2,0	3,0	0,4	26,0	27,0	2,8				
3,0	4,0	0,5	27,0	28,0	2,9				
4,0	5,0	0,6	28,0	29,0	3,0				
5,0	6,0	0,7	29,0	30,0	3,1				
6,0	7,0	0,8	30,0	31,0	3,2				
7,0	8,0	0,9	31,0	32,0	3,3				
8,0	9,0	1,0	32,0	33,0	3,4				
9,0	10,0	1,1	33,0	34,0	3,5				
10,0	11,0	1,2	34,0	35,0	3,6				
11,0	12,0	1,3	35,0	36,0	3,7				
12,0	13,0	1,4	36,0	37,0	3,8				
13,0	14,0	1,5	37,0	38,0	3,9				
14,0	15,0	1,6	38,0	39,0	4,0				
15,0	16,0	1,7	39,0	40,0	4,1				
16,0	17,0	1,8	40,0	41,0	4,2				
17,0	18,0	1,9	41,0	42,0	4,3				
18,0	19,0° o b	ST20ND	<b>ARD PI</b>	<b>SEVIE</b>	V				
19,0	20,0	2,1			•				
20,0	21,0	(s <sup>12</sup> , <sup>2</sup> nd 9	rds iteh	ai)					
21,0	22,0	2,3		•••••					
22,0	23,0	2,4							
23,0	24,0	<u>15G 22391</u>	-2:2009/Amd 1:20	<u>)20</u>					
24,0	http://otandar	ds.iteh.zi/Gatalog/s			a466-				
<sup>a</sup> The tolerance is expressed in the form <sup>+</sup> 0 mm, where "x" is the value of the tolerance given.									
The level of the tolerances conforms to Grade V in ISO 11922-1.									

Table 7 — Tolerance on wall thicknesses

Dimensions in millimetres

<u>ISO 22391-2:2009/Amd 1:2020</u> https://standards.iteh.ai/catalog/standards/sist/ff057642-6be4-4278-a466df9717f27ebc/iso-22391-2-2009-amd-1-2020

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