SLOVENSKI STANDARD
SIST EN ISO 15875-2:2004/oprA2:2020

01-april-2020

Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Zamreženi polietilen (PE-X) - 2. del: Cevi - Dopolnilo A2 (ISO 15875-2:2003/DAM 2:2020)

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 2: Pipes - Amendment 2 (ISO 15875-2:2003/DAM 2:2020)

Kunststoff-Rohrleitungssysteme für die Warm- und Kaltwasserinstallation - Vernetztes Polyethylen (PE□X) - Teil 2: Rohre - Änderung 2 (ISO 15875-2:2003/DAM 2:2020)

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide - Polyéthylène réticulé (PE-X) - Partie 2: Tubes - Amendement 2 (ISO 15875-2:2003/DAM 2:2020)

Ta slovenski standard je istoveten z: **EN ISO 15875-2:2003/prA2**

ICS:

23.040.20	Cevi iz polimernih materialov	Plastics pipes
91.140.60	Sistemi za oskrbo z vodo	Water supply systems

SIST EN ISO 15875-2:2004/oprA2:2020 **en**

DRAFT AMENDMENT

ISO 15875-2:2003/DAM 2

ISO/TC **138**/SC **2** Secretariat: **SNV**

Voting begins on: **2020-02-19**

Voting terminates on: **2020-05-13**

Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) —

Part 2: Pipes

AMENDMENT 2

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide — Polyéthylène réticulé (PE-X) —

Partie 2: Tubes

AMENDEMENT 2

ICS: 23.040.20; 91.140.60

This document is circulated as received from the committee secretariat.

Reference number
ISO 15875-2:2003/DAM 2:2020(E)

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: 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).

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).

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.

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).

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.

Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) —

Part 2: Pipes

AMENDMENT 2

Page 1, Clause 2

Replace the normative reference:

EN 578, *Plastics piping systems — Plastics pipes and fittings — Determination of the opacity*

with

ISO 7686, *Plastics pipes and fittings — Determination of opacity*

Replace the normative reference:

EN 579, *Plastics piping systems — Crosslinked polyethylene (PE-X) pipes — Determination of degree of crosslinking by solvent extraction*

with

ISO 10147, *Pipes and fittings made of crosslinked polyethylene (PE-X) — Estimation of the degree of crosslinking by determination of the gel content*

Replace the normative reference:

EN 743, *Plastics piping and ducting systems — Thermoplastics pipes — Determination of the longitudinal reversion*

with

ISO 2505, *Thermoplastics pipes — Longitudinal reversion — Test methods and parameters*

Replace the normative reference:

EN 921, *Plastics piping systems — Thermoplastics pipes — Determination of resistance to internal pressure at constant temperature*

with

ISO 1167-1, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 1: General method*

ISO 1167-2, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 2: Preparation of pipe test pieces*

Page 2, Clause 4.2

Replace the normative reference:

EN 921, *Plastics piping systems — Thermoplastics pipes — Determination of resistance to internal pressure at constant temperature*

with

ISO 1167-1, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 1: General method*

ISO 1167-2, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 2: Preparation of pipe test pieces*

Page 4, Clause 5.2

Replace the normative reference:

EN 578, *Plastics piping systems — Plastics pipes and fittings — Determination of the opacity*

with

ISO 7686, *Plastics pipes and fittings — Determination of opacity*

Page 5, Table 2

Replace Table 2 with the new Table 2 below, where larger dimensions (180 mm to 250 mm) have been added. The dimensions of 12 mm to 160 mm have been unchanged from the ISO 15875-2:2003 version.

Table 2 — Pipe dimensions for dimension class A (sizes conform to ISO 4065:2018 [2] and are applicable for all classes of service conditions)

Dimensions in millimetres

Nominal size DN/OD	Nominal outside diameter d_n	Mean outside diameter[b]		Pipe series			
				S 6,3	S 5	S 4	S 3,2
				Wall thicknesses e_{min} and e_n			
		$d_{em,min}$	$d_{em,max}$				
12	12	12,0	12,3	—	1,3[a]	1,4	1,7
16	16	16,0	16,3	1,3	1,5	1,8	2,2
20	20	20,0	20,3	1,5	1,9	2,3	2,8
25	25	25,0	25,3	1,9	2,3	2,8	3,5
32	32	32,0	32,3	2,4	2,9	3,6	4,4
40	40	40,0	40,4	3,0	3,7	4,5	5,5
50	50	50,0	50,5	3,7	4,6	5,6	6,9
63	63	63,0	63,6	4,7	5,8	7,1	8,6
75	75	75,0	75,7	5,6	6,8	8,4	10,3
90	90	90,0	90,9	6,7	8,2	10,1	12,3
110	110	110,0	111,0	8,1	10,0	12,3	15,1
125	125	125,0	126,2	9,2	11,4	14,0	17,1
140	140	140,0	141,3	10,3	12,7	15,7	19,2
160	160	160,0	161,5	11,8	14,6	17,9	21,9
180	180	180,0	181,7	13,3	16,4	20,1	24,6
200	200	200,0	201,8	14,7	18,2	22,4	27,4
225	225	225,0	227,1	16,6	20,5	25,2	30,8
250	250	250,0	252,3	18,4	22,7	27,9	34,2

[a] A non-preferred wall thickness of 1,1 mm is permitted for dimension d_n = 12.
[b] The level of the tolerances conforms to Grade A in ISO 11922-1.

Page 7, Table 6

Replace Table 6 with the new Table 6 below, where wall thicknesses for larger dimensions (greater than 21,0 mm) have been added. The wall thicknesses up to 21,0 mm have been unchanged from the ISO 15875-2:2003 version

Table 6 — Tolerance on wall thicknesses

Dimensions in millimetres

Minimum wall thickness e_{min}		Tolerance[a] x	Minimum wall thickness e_{min}		Tolerance[a] x
>	≤		>	≤	
1,0	2,0	0,3	19,0	20,0	2,1
2,0	3,0	0,4	20,0	21,0	2,2
3,0	4,0	0,5	21,0	22,0	2,3
4,0	5,0	0,6	22,0	23,0	2,4
5,0	6,0	0,7	23,0	24,0	2,5
6,0	7,0	0,8	24,0	25,0	2,6
7,0	8,0	0,9	25,0	26,0	2,7
8,0	9,0	1,0	26,0	27,0	2,8
9,0	10,0	1,1	27,0	28,0	2,9
10,0	11,0	1,2	28,0	29,0	3,0
11,0	12,0	1,3	29,0	30,0	3,1
12,0	13,0	1,4	30,0	31,0	3,2
13,0	14,0	1,5	31,0	32,0	3,3
14,0	15,0	1,6	32,0	33,0	3,4
15,0	16,0	1,7	33,0	34,0	3,5
16,0	17,0	1,8	34,0	35,0	3,6
17,0	18,0	1,9			
18,0	19,0	2,0			

[a] The tolerance is expressed in the form $^{+x}_{0}$ mm, where "x" is the value of the tolerance given. The level of the tolerances conforms to Grade V in ISO 11922-1.

Page 8, Table 7

Replace the normative reference:

EN 921, *Plastics piping systems — Thermoplastics pipes — Determination of resistance to internal pressure at constant temperature*

with

ISO 1167-1, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 1: General method*

ISO 1167-2, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 2: Preparation of pipe test pieces*

Page 9, Table 8

Replace Table 8 with the new Table 8 below, where a crosslinking method (PE-Xe) has been added. The other content of Table 8 have been unchanged from the ISO 15875-2:2003 version.