## INTERNATIONAL STANDARD

ISO 15875-3

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

Part 3: **Fittings** 

AMENDMENT 1

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

Partie 3: Raccords

AMENDEMENT 1

PROOF/ÉPREUVE



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

### Part 3: **Fittings**

#### **AMENDMENT 1**

Normative references

Replace the reference to "EN 578" with the following:

ISO 7686, Plastics pipes and fittings — Determination of opacity

Replace the reference to "EN 579" with the following

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 reference to "EN 921:1994" and to "EN 12107" with the following:

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 1167-3, Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 3. Preparation of components

ISO 1167-4, Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 4: Preparation of assemblies

#### 4.1.1, Table 1

Replace the reference to "EN 921:1994 (together with EN 12107)" with "ISO 1167-1, ISO 1167-3 and ISO 1167-4".

#### 4.1.2.1, first paragraph

Replace the reference to "EN 921:1994 (together with EN 12107)" with "ISO 1167-1, ISO 1167-3 and ISO 1167-4".

#### 4.1.2.2, first paragraph

Replace the reference to "EN 921:1994" with "ISO 1167-1, ISO 1167-3 and ISO 1167-4".

5.2

Replace the reference to "EN 578" with "ISO 7686".

#### 5.2, Table 3

Replace <u>Table 3</u> with the following table:

Table 3 — Socket dimensions for electrofusion fittings

Dimensions in millimetres

Nominal diameter of the fitting	Minimum mean inside diameter <sup>a</sup> of fusion zone	Nominal length of fusion zone	Depth of penetration	
$d_{\rm n}$	D <sub>1,min</sub>	$L_{2,\mathrm{min}}$	$L_{1,\mathrm{min}}$	$L_{1,\mathrm{max}}$
16	16,1	10	20	35
20	20,1	10	20	37
25	25,1	10	20	40
32	32,1	10	20	44
40	40,1	10	20	49
50	50,1	10	20	55
63	63,2	11	23	63
75	75,2	12	25	70
90	90,2	13	28	79
110	110,3	15	32	85
125	125,3	16	35 md	90
140	140,3	18	191038	95
160	160,4	220 Kell	42	101
180	180,4	215. di	46 50	105
200	200,4	N23 nda and	<u> </u>	112
225	225,5	1 26 star dell'	55	120
250	250,5	Still 301 talogison	73	129

In piping systems that involve spigot trimming, smaller values for  $D_1$  are permitted if in conformance to the manufacturer's specification.

#### Clause 8

Replace the reference to "EN 579" with "ISO 10147".

Clause 8, Table 5

Replace <u>Table 5</u> with the following table:

Table 5 — Degree of crosslinking

Crosslinking process	Degree of crosslinking	
peroxide PE-Xa	≥ 70 %	
silane PE-Xb	≥ 65 %	
electron beam PE-Xc	≥ 60 %	
azo PE-Xd	≥ 60 %	
UV-light initiated PE-Xe	≥ 70 %	

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