



**Summary of Substantive Changes
between the 2013a and the 2015a editions of
ASTM F876 “Crosslinked Polyethylene (PEX) Tubing”**

Presented to the IAPMO Standards Review Committee on December 7, 2015

General: General: The changes to this standard should not have an impact on currently listed products. The major changes are:

- Clarified the terminology of the tubing materials designation code (see Section 3.2.7.1)
- Increased the revised recommended spacing between horizontal supports for NTS-1-1/4 and larger from 32 in (800 mm) to 48 in (1200 mm) (see Appendix X3.1.5)

Section 3.2.7.1, standard thermoplastic tubing materials designation code: Clarified the terminology of the tubing materials designation code as follows:

3.2.7.1 Discussion—

The first digit is for chlorine resistance tested in accordance with Test Method F2023.

(1) A digit “0” indicates that the PEX tubing either has not been tested for chlorine resistance or that the PEX tubing does not meet the minimum requirement for chlorine resistance.

(2) A digit “1” indicates the PEX tubing has been tested and meets the ~~F876~~ requirement [of 6.10](#) for minimum chlorine resistance at the end use condition of 25% at 140°F (60°C) and 75% at 73°F (23°C).

(3) A digit “2” is reserved for future application.

(4) A digit “3” indicates that the PEX tubing has been tested and meets the ~~F876~~ requirement [of 6.10](#) for minimum chlorine resistance at end use condition of 50% at 140°F and 50% at 73°F.

(5) A digit “4” is reserved for future application.

(6) A digit “5” indicates that the PEX tubing has been tested and meets the requirement [of 6.10](#) for minimum chlorine resistance at end use conditions of 100% of the time at 140°F

Appendix X3, DESIGN, ASSEMBLY, AND INSTALLATION CONSIDERATIONS: Increased the revised recommended spacing between horizontal supports for NTS-1-1/4 and larger from 32 in (800 mm) to 48 in (1200 mm) as follows:

X3.1.5 Horizontal Support Spacing—The maximum recommended spacing between horizontal supports is 32 in. (800 mm) for ~~diameters~~ nominal tube sizes up to 1 in. [Maximum spacing for nominal sizes 1 1/4 in. and larger is 48 in. \(1200 mm\) or as stated in the manufacturer’s instructions.](#) Crosslinked polyethylene tubing should not be rigidly secured to a stud or joist but should be secured with smooth plastic strap hangers, which permit ease of movement during expansion/contraction cycles.