



**Summary of Substantive Changes
between the 2011a and 2018 editions of
ASTM F877 “Crosslinked Polyethylene (PEX) Hot- and Cold-Water
Distribution Systems”**

Presented to the IAPMO Standards Review Committee on July 9, 2018

General: The changes to this standard should not have an impact on currently listed products. The substantive change is:

- Clarified the method of conditioning the test specimens prior to testing (see Section 7.4).

Section 2, Referenced Documents: The following standards were added, revised or deleted as follows:

~~F1865 Specification for Mechanical Cold Expansion Insert Fitting With Compression Sleeve for Cross-linked Polyethylene (PEX) Tubing~~

F2080 Specification for Cold-Expansion Fittings With Metal Compression-Sleeves for Cross-Linked Polyethylene(PEX) Pipe and SDR9 Polyethylene of Raised Temperature (PE-RT) Pipe

Section 7.4, Hydrostatic Sustained Pressure: Clarified the method of conditioning the test specimens prior to testing as follows:

7.4 Hydrostatic Sustained Pressure— Determine in accordance with Test Method D1598, except for the following:

7.4.1 Test at least six joints, from randomly selected specimens assembled per the manufacturer’s instructions with at least 5-pipe diameters between joints.

7.4.2 Test temperature shall be 180 ± 4 °F (82 ± 2 °C).

7.4.3 The external test environment shall be air or water.

7.4.4 ~~Fill the Condition~~ the specimens ~~with water at a temperature of at least 120°F (50°C)~~ in accordance with Test Method D1598.