

**TABLE 6-4**  
**Materials for Building Supply and Water Distribution Pipe and Fittings**

<b>Material</b>	<b>Building Supply Pipe and Fittings</b>	<b>Water Distribution Pipe and Fittings</b>	<b>Referenced Standard(s) Pipe<sup>2</sup></b>	<b>Referenced Standard(s) Fittings<sup>2</sup></b>
CPVC	X	X	ASTM D2846, ASTM F441, ASTM F442	ASTM D2846, ASTM F1970, ASTM F437, ASTM F438, ASTM F439
PE	X <sup>1</sup>		ASTM D2239, ASTM D2737, ASTM D3035, AWWA C901, CSA B137.1	ASTM D2609, ASTM D2683, ASTM D3261, ASTM F1055, CSA B137.1
PE-AL-PE	X	X	ASTM F1282, CSA B137.9	ASTM F 1282, ASTM F1974, CSA B137.9
PEX	X	X	ASTM F876 , ASTM F877, CSA B137.5	ASTM F877, ASTM F1807, ASTM F1960, ASTM F1961, ASTM F2080, ASTM F2159, CSA B137.5
PEX-AL-HDPE	X	X	ASTM F1986	ASTM F1986
PEX-AL-PEX	X	X	ASTM F1281, CSA B137.10, ASTM F2262	ASTM F1281, ASTM F1974, ASTM F2434, CSA B137.10
Polypropylene (PP), (PP-R)	X	X	ASTM F2389, CSA B137.11	ASTM F2389, CSA B137.11
PP-AL-PP	X	X	IAPMO IGC 223	IAPMO IGC 223
PVC	X <sup>1</sup>		ASTM D1785, ASTM D2241, AWWA C900	ASTM D2464, ASTM D2466, ASTM D2467, ASTM F1970

<sup>1</sup> For Building Supply or cold-water applications.

<sup>2</sup> Standards listed in Table 6-4 or equivalent International Standard(s) approved by the Authority Having Jurisdiction shall be permitted.

**603.4.20.1 Dialysis Water Systems.** The individual connections of the dialysis related equipment to the dialysis pure water system shall not require additional backflow protection.

**603.4.21 Plumbing Fixture Fittings.** Plumbing fixture fittings with integral backflow protection shall comply with ASME A112.18.1/CSA B125.1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction.

**603.4.22** Potable water supply to swimming pools, spas and hot tubs shall be protected by an airgap or a reduced pressure principle backflow preventer in accordance with the following:

- (1) The unit is equipped with a submerged fill line; or
- (2) The potable water supply is directly connected to the unit circulation system.

## **604.0 Materials.**

**604.1** Pipe, tube, and fittings carrying water used in potable water systems intended to supply drinking water shall meet the requirements of DIN/NSF 61 or applicable referenced standard for drinking water

system components and health effects as found in Table 14-1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction. Materials used in the water supply system, except valves and similar devices, shall be of a like material, except where otherwise approved by the Authority Having Jurisdiction.

Materials for building water piping and building supply piping shall be in accordance with the applicable standards referenced in Table 6-4 or equivalent International Standard(s) approved by the Authority Having Jurisdiction.

**604.2** Listed flexible water connectors shall be installed in readily accessible locations, unless otherwise listed.

**604.3** Piping and tubing that has previously been used for any purpose other than for potable water systems shall not be used.

**604.4** Approved plastic materials shall be permitted to be used in water service piping, provided that where metal water service piping is used for electrical grounding purposes, replacement piping therefore shall be of like materials.