



**TOWN OF NEW HAVEN
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NEW HAVEN, NY 13121
(315) 963-3900**



**TOWN OF SCRIBA WATER DEPT.
41 CREAMERY ROAD, SCRIBA
(315) 342-6894**

WATER SERVICE MATERIALS

Polyethylene Tubing

The polyethylene compound from which the tubing is made shall be an ethylene-hexane copolymer and shall comply with the applicable requirements as specified in ASTM D3350 providing for inner and outer layers of UV protection for five years in direct sunlight and shall be manufactured from PE3408 high density polyethylene resin.

Polyethylene shall comply with the following:

Tubing shall have a working pressure of 200PSI at 73.4 degrees F and be in conformance with ANSI/NSF Standard 61.

All tubing furnished under these specifications shall conform to the following standards. AWWA C-901, ASTM D2239, ASTM D2737, ASTM D3350, ASTM D1248, ASTM F1248, ASTM D1693, ASTM D2837 and ASTM D3140

Tubing dimensions and tolerances shall conform to the following requirements: Polyethylene tubing surfaces shall be mirror smooth, and shall be free from bumps and irregularities. Materials must be completely homogenous and uniform in appearance.

Tubing dimensions and tolerances shall correspond with the values listed in AWWA C901 with standard dimension ratio (SDR) of 9.

Tubing shall be fully labeled at intervals of not more than 5 feet with brand name and manufacturer, the nominal size, PE 3408, the word TUBING and SDR9, PC 200, AWWA C901-88, and the seal, or mark of the testing agency.



WATER SERVICE MATERIALS (Cont'd)

Copper Tubing

Copper tubing shall be type K and shall conform to AWWA Standard c800 Section A.2, ASTM Specification B 88 and ASNI/NSF Standard 61.

Joints

Joints for polyethylene or copper tubing shall be of the compression type utilizing a totally confined grip seal and coupling nut. Stainless steel tube stiffener insert shall also be used for tubing services

Other type joints may be considered for specific installations upon submission of specifications and approved by the engineer.