International Standard(s) approved by the Authority Having Jurisdiction. [NFPA 54:5.6.3.4]

1208.5.4 Plastic Pipe, Tubing, and Fittings. Plastic pipe, tubing, and fittings used to supply fuel gas shall conform with ASTM D2513, *Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings* or equivalent International Standard(s) approved by the Authority Having Jurisdiction. Pipe to be used shall be marked: "gas" and "ASTM D2513." [NFPA 54:5.6.4.1]

Anodeless risers shall comply with the following [NFPA 54:5.6.4.3]:

1208.5.4.1 Regulator Vent Piping. Plastic pipe, tubing, and fittings used to connect regulator vents to remote vent terminations shall be PVC conforming to UL 651, *Schedule 40 and 80 Rigid PVC Conduit and Fittings* or equivalent International Standard(s) approved by the Authority Having Jurisdiction. PVC vent piping shall not be installed indoors. [NFPA 54:5.6.4.2]

1208.5.4.2 Factory-assembled anodeless risers shall be recommended by the manufacturer for the gas used and shall be leak-tested by the manufacturer in accordance with written procedures. [NFPA 54:5.6.4.3(1)]

1208.5.4.3 Service head adapters and field-assembled anodeless risers incorporating service head adapters shall be recommended by the manufacturer for the gas used by the manufacturer and shall be design certified to meet the requirements of Category I of ASTM F1973, *Factory Assembled Anodeless Riser and Transition Fitting on Polyethylene (PE) Fuel Gas Distribution Systems* or equivalent International Standard(s) approved by the Authority Having Jurisdiction. [NFPA 54:5.6.4.3(2)]

1208.5.4.4 The use of plastic pipe, tubing, and fittings in undiluted liquefied petroleum gas-piping systems shall be in accordance with NFPA 58, *Liquefied Petroleum Gas Code* or equivalent International Standard(s) approved by the Authority Having Jurisdiction. [NFPA 54:5.6.4.3(3)]

1208.5.5 Workmanship and Defects. Gas pipe or tubing and fittings shall be clear and free from cutting burrs and defects in structure or threading, and shall be thoroughly brushed and chip and scale blown. Defects in pipe, tubing, and fittings shall not be repaired. Defective pipe, tubing, and fittings shall be replaced. [NFPA 54:5.6.5]

1208.5.6 Protective Coating. Where in contact with material or atmosphere exerting a corrosive action, metallic piping and fittings coated with a corrosion-resistant material shall be used. External or internal coatings or linings used on piping or components shall not be considered as adding strength. [NFPA 54:5.6.6]

1208.5.7 Metallic Pipe Threads.

(A) Specifications for Pipe Threads. Metallic pipe and fitting threads shall be taper pipe threads and shall comply with ASME B1.20.1, *Standard for Pipe Threads, General Purpose (mm)* or equivalent International Standard(s) approved by the Authority Having Jurisdiction. [NFPA 54:5.6.7.1]

(B) Damaged Threads. Pipe with threads that are stripped, chipped, corroded, or otherwise damaged shall not be used. Where a weld opens during the operation of cutting or threading, that portion of the pipe shall not be used. [NFPA 54:5.6.7.2]

(C) Number of Threads. Field threading of metallic pipe shall be in accordance with Table 12-2. [NFPA 54:5.6.7.3]

(D) Thread Compounds. Thread (joint) compounds (pipe dope) shall be resistant to the action of liquefied petroleum gas or to any other chemical constituents of the gases to be conducted through the piping. [NFPA 54:5.6.7.4]

TABLE 12-2
Specifications for Threading Metallic Pipe
[NFPA 54:5.6.7.3]

Iron Pipe size mm	Approximate Length of Threaded Portion mm	Approximate No. of Threads to Be Cut
15	20	10
20	26	10
25	22	10
32	25	11
40	25	11
50	25	11
65	40	12
80	40	12
100	42	13

SI: 1mm = 0.04 in.

1208.5.8 Metallic Piping Joints and Fittings. The type of piping joint used shall be suitable for the pressure-temperature conditions and shall be selected giving consideration to joint tightness and mechanical strength under the service