

**SPECIFICATION
GPH IRRIGATION
PVC DISTRIBUTION TUBING
Part # GPVCXXXXXX**

The emitter distribution tubing shall be made of plasticized PVC and shall be sufficiently flexible to bend on a radius of one-quarter inch without kinking or suffering a permanent set which would affect its flow capacity. The tubing is UV Resistant as well as Algae Resistant.

The flexible PVC tubing shall be extruded from non-rigid polyvinyl chloride PVC compound conforming to ASTM Designation D2287. S-0214 material that shall conform to all of the following.

Hardness (A Shore) - 92 to 86 tested per ASTM Method D2240
 Specific Gravity, nominal - 1.42 +/- .02 tested per ASTM Method D792(A)
 100% Modulus: -1800 (psi)
 Tensile Strength, minimum -2450 (psi) tested per ASTM Method D412
 Brittleness Temp., maximum -20 C tested per ASTM Method D746(A)
 Elongation: -270%

The tubing is to be uniformly black in color, homogeneous throughout and smooth inside and outside, free from foreign materials, cracks, holes, dents, wrinkles and blisters.

Part No.	Size	Inside Dia. (in.)	Wall thickness (in.)	Outside Dia (in.)
GPVC187125	1/8"	0.125"	.062"	0.68
GPVC220160	1/4"	0.160"	0.06	0.84
GPVC250170	1/4"	0.170"	0.08	.220

The tubing shall withstand a minimum steady state internal pressure to 60 psi, at 68°F, without failure. The tubing should be used with the corresponding size of micro or distribution barb fittings. The Distribution tubing should not be welded or glued with these fittings. distribution tubing shall be made of Linear Low Density Polyethylene and shall be sufficiently flexible to bend on a radius of one-quarter inch without kinking or suffering a permanent set which would affect its flow capacity.

