

## Technical Specifications

# ALGAE-RESISTANT HOSE

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**PVC TUBING** be shall be Salco model SLV-PVC-AR-(050), (075), or (100) as manufactured by Weathermatic Division of Telsco Industries.

**CONSTRUCTION:** Non-rigid poly-vinyl-chloride (PVC) hose shall be extruded using integrally compounded algae-resistant S-0214 material. Algae resistant hose shall comply with ASTM F-21-70\* (Fungus Testing) and ASTM G-42\* (Algal Testing). Hose shall be uniformly black in color, smooth inside and outside, free of foreign material contamination and have no cracks, pinholes, dents, wrinkles or blisters. PVC hose shall be suitable for solvent welding to PVC fittings using IPS-795 PVC solvent cement. All hose shall be clearly marked "algae resistant" on the outer tube wall and shall conform to all of the following standards:

- 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%

**OPERATION:** Flexible PVC hose is designed for use in low pressure irrigation systems. Under no circumstances are the products to be used for hot water or high pressure applications. All hose and tubing products shall conform to guidelines set forth by California Proposition 65 and Federal FARA 313 dealing with "Hazardous or Toxic Materials."

**WARRANTY:** The hose shall have a manufacturer's limited warranty of not less than two (2) years.

