

SPECIFICATION

PVC AR SUPPLY TUBING

Part # GPVCARXXXXXX

The subject non-rigid poly-vinyl-chloride (PVC) hose is to be extruded using GPH'S integrally compounded algae-resistant 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%

Algae resistant hose shall be in compliance 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.

*Independent laboratory test result data are available on request.

The tubing is UV Resistant as well as Algae Resistant. PVC AR Supply Tubing is compatible with schedule 40 slip fittings of the corresponding size. The fittings should be welded or "glued".

The "XX" designates the position within the part number where the tubing size (in IPS format) should be inserted.

Part No.	Size	Inside Dia. (in.)	Wall thickness (in.)	Outside Dia. (in.)
GPVCAR050IRR	1/2(HOSE)	0.5	0.09	0.68
GPVCAR050IPS	1/2 (IPS)	0.56	0.14	0.84
GPVCAR075IPS	3/4 (IPS)	0.75	0.15	1.05
GPVCAR100IPS	1 (IPS)	1	0.16	1.32

Note: GPH recommends the use of P-70 Primer with IPS-795 PVC Solvent Cement for Schedule 40 fitting connections.

