Clear Steel Wire Reinforced PVC Suction Hose

- Spiral steel wire reinforcement incorporated within the wall of flexible PVC tubing
- Made from non-toxic ingredients conforming to FDA standards
- Kink and crush resistant
- Handles pressure and full vacuum (29.9 in./Hg.) applications
- Glass-like clarity with mirror-smooth surfaces provide outstanding visual flow characteristics
- Lightweight (compared to rubber hoses) yet tough and abrasion resistant
- REACH compliant

Notes

VARDEX, with its steel wire reinforcement coil, is specially suited for applications where resistance to kinking is of primary importance. A proprietary construction technique employed during the manufacture of VARDEX permits full vacuum capabilities (29.9 in./Hg.) for all sizes without hose collapse.

Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Cam operated couplings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

Physical Properties**

- Hardness, Shore A ±5: 73
- Tensile Strength, psi: 2100
- Elongation at Break, %: 270
- Brittle Temperature, °F: 23
- Maximum Operating Temperature, °F: 150

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PART NO. | ID (IN.) | OD (IN.) | WALL (IN.) | WORKING PSI AT 70°F | BEND RADIUS (IN.) | LBS. PER 100 FT.
---|---|---|---|---|---|---
140 0070 | 1/4 | 29/64 | .102 | 200 | 1 | 7.0
140 0112 | 3/8 | .610 | .118 | 175 | 1-1/2 | 11.5
140 0154 | 1/2 | .748 | .124 | 140 | 2 | 15.0
140 0196 | 5/8 | 29/32 | .966 | 100 | 2-1/2 | 19.8
140 0238 | 3/4 | 1.024 | .137 | 100 | 3 | 24.0
140 0280 | 1 | 1.319 | .160 | 85 | 4 | 37.6
140 0322 | 1-1/4 | 1.634 | .192 | 85 | 4-1/2 | 49.0
140 0364 | 1-1/2 | 1.909 | .205 | 85 | 6 | 67.2
140 0406 | 2 | 2.382 | .211 | 70 | 8 | 85.0

Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 2” I.D. x 2.382” O.D. hose is part number 140 0406-100.

Working pressures are calculated from burst testing using a 3:1 safety factor. Application testing is recommended. **BOLD** indicates the critical dimension for fittings application.

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