

PVC Schedule 40 Solid Wall Pipe & Fitting System

Scope:

This submittal covers ® PVC Schedule 40 solid wall pipe and PVC fittings intended for use in pressure applications where the application operating temperature does not exceed 140° F (63°C).

Product Specification:

All ® PVC Schedule 40 fittings shall be manufactured in the U.S.A. by a® Manufacturing Company from PVC Type I with a minimum cell classification 12454 in accordance with ASTM D1784. All injection molded PVC Schedule 40 white fittings shall be certified for potable water service by NSF International and manufactured in strict compliance to ASTM D2466. All fabricated schedule 40 fittings shall be produced in accordance with ASTM F1866 and ® General Specifications for Fabricated Fittings. ® PVC schedule 40 pipe and fittings shall be capable of withstanding a vacuum of twenty-six inches of mercury (Hg) at 73° F (23° C) when subjected to a one hour test with a leak factor of not more than one inch of Hg.

All ® PVC Schedule 40 pipe shall be manufactured in the U.S.A. ® Manufacturing Company from a Type I, Grade I Polyvinyl Chloride (PVC) compound with a minimum cell classification of 12454 in accordance with ASTM D1784. The Schedule 40 pipe shall be manufactured in strict compliance to ASTM D1785 consistently meeting and/or exceeding the quality assurance test requirements of these standards. pipe shall be manufactured in the U.S.A. and immediately wrapped for protection. The pipe shall be provided with plain ends in 20 foot cut lengths. All Schedule 40 pipe shall be certified by NSF International for potable water applications and marked accordingly.

Product Marking

All pipes shall be dual marked PVC schedule 40 and DWV and shall be marked with NSF® Listing, applicable ASTM Standard and applicable pressure @ 73° F. (23°C). PVC Schedule 40 Fittings shall be engraved with markings required by ASTM Standard and bear an NSF® Listing for potable water.

NOTE: PVC piping systems are suitable for oil-free air handling to 25 psi, not for distribution of compressed air or gas.

Referenced Standards:

ASTM D1784 – Rigid Vinyl Compounds
ASTM D1785 – PVC Schedule 40, 80 & 120 Pipe
ASTM D2466 – PVC Schedule 40 Fittings
ASTM D2564 – Solvent Cements for PVC Pipe & Fittings
ASTM D2774 – Procedure for Buried Pressure Pipe
ASTM F656 – Primers for PVC Pipe & Fittings
ASTM F1668 – Procedures for Buried Plastic Pipe
ASTM F1866 – Fabricated PVC DWV Fittings
NSF International – Standard 14/61 Potable Water

Approvals:

NSF® – NSF International Standard 14/61 – Potable Water

Features:

Lightweight
Corrosion Resistant
Long Service Life