

SUBMITTAL FOR CHARLOTTE PIPE® PVC SCHEDULE 80 PRESSURE PIPE AND FITTING SYSTEM

Date:		
Job Name:	Location:	
Engineer:	Contractor:	
0.000		

Scope:

This specification covers PVC Schedule 80 pipe and fittings for pressure applications. This system is intended for pressure applications where the operating temperature will not exceed 140° F.

Specification:

Pipe and fittings shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784.

PVC Schedule 80 pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785. Injection molded PVC Schedule 80 fittings shall conform to ASTM D 2467. PVC Schedule 80 threaded fittings shall conform to ASTM D 2464. Pipe and fittings shall be manufactured as a system and be the product of one manufacturer. All pipe and fittings shall be manufactured in the United States. Pipe and fittings shall conform to NSF International Standard 61 and the health effects portion of NSF Standard 14.

Installation:

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry and shall conform to all applicable plumbing, fire, and building code requirements. Buried pipe shall be installed in accordance with ASTM F 1668 and ASTM D 2774. Solvent cement joints shall be made in a two-step process with a primer meeting ASTM F 656 and a medium- or heavy-bodied solvent cement conforming to ASTM D 2564. The system shall be protected from chemical agents, fire-stopping materials, thread sealant, plasticized-vinyl products or other aggressive chemical agents not compatible with PVC compounds. The system shall be hydrostatically tested after installation. **WARNING!** Never test with or transport/store compressed air or gas in PVC pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

Referenced Standards:

ASTM D 1784: Rigid Vinyl Compounds ASTM D 1785: PVC Plastic Pipe, Schedule 80

ASTM D 2464 or D 2467: PVC Threaded Fittings, Schedule 80

ASTM D 2467: PVC Socket Fittings, Schedule 80

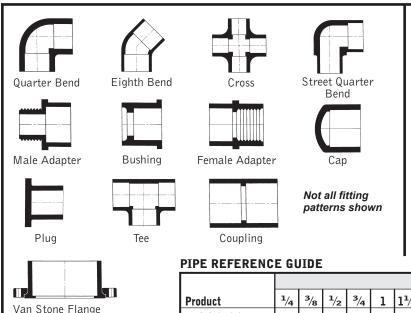
ASTM D 2564: Solvent Cements for PVC Pipe and Fittings

ASTM D 2774: Underground Installation of Thermoplastic Pressure Piping

Schedule 80

ASTM F 1668: Procedures for Buried Plastic Pipe

NSF Standard 14: Plastic Piping Components & Related Materials NSF Standard 61: Drinking Water System Components—Health Effects

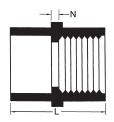


Tapered Socket Dimensions PVC SCHEDULE 80 - ASTM D 2467 Schedule 80 and Schedule 40 Socket Diameter Schedule 80 Schedule 40 Tolerance Socket Length Socket Length C (Minimum) Size C (Minimum) 0.848 0.836 ±0.004 0.875 0.688 1.058 1.046 ±0.004 1.000 0.719 1.310 ±0.005 1.125 0.875 1.325 1.670 1.655 ±0.005 1.250 0.938 1.912 1.894 ±0.006 1.375 1.094 2.387 2.369 ±0.006 1.500 1.156 2.889 2.868 ±0.007 1.750 1.750 3.516 3.492 1.875 1.875 ±0.008 4.518 4.491 ±0.009 2.250 2.000 6 ±0.011 3.000 6.647 6.614 3.000 8.655 8.610 ±0.015 4.000 4.000 10.780 10.735 ±0.015 5.000 5.000 12.780 6.000 12.735 ±0.015 6.000

Charlotte Pipe and Foundry Company • P.O. Box 35430 Charlotte, NC 28235 • (800) 438-6091 • www.charlottepipe.com



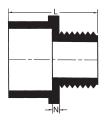
Female Adapter SxFPT PVC PART NO. 8101



Size	Universal Part Number	L	N	Approx. Wt. (Lbs.)
1/2	835-005	1 ²⁵ / ₃₂	3/32	0.07
3/4	835-007	1 ¹⁵ / ₁₆	3/32	0.10
1	835-010	29/32	3/32	0.16
11/4	835-012	23/8	1/8	0.22
11/2	835-015	29/16	1/8	0.27
2	835-020	223/32	3/32	0.39
21/2	835-025	319/32	7/32	0.73
3	835-030	33/4	7/32	0.96
4	835-040	41/4	1/4	1.52

Male Adapter SxMPT

PVC PART NO. 8109



Size	Universal Part Number	L	N	Approx. Wt. (Lbs.)
1/2	836-005	1 ¹³ / ₁₆	3/16	0.05
3/4	836-007	2	1/4	0.06
1	836-010	2 ³ / ₈	3/16	0.10
11/4	836-012	21/2	1/4	0.15
11/2	836-015	2 ⁵ / ₈	1/4	0.19
2	836-020	27/8	9/32	0.27
21/2	836-025	311/16	11/32	0.50
3	836-030	37/8	3/8	0.73
4	836-040	41/2	7/16	1.40