

## SUBMITTAL FOR CHARLOTTE PIPE® **PVC SCHEDULE 40 PRESSURE PIPE AND FITTING SYSTEM**

Date:	
Job Name:	Location:
Engineer:	Contractor:
Scope: This specification covers PVC Schedule 40 pine and fitt	ings for pressure applications. This system is intended for

This specification covers PVC Schedule 40 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 40 pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785. Injection molded PVC Schedule 40 fittings shall conform to ASTM D 2466. 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 or 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. Solvent cement joints shall be made in a two-step process with primer manufactured for thermoplastic piping systems and 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 40 ASTM D 2466: PVC Plastic Fittings, Schedule 40

ASTM D 2564: Solvent Cements for PVC

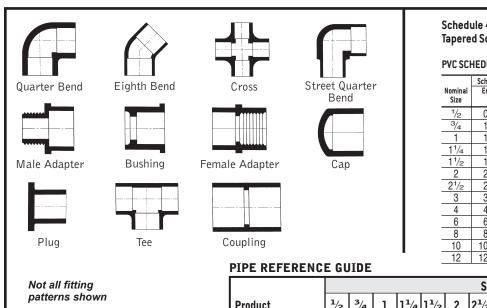
Pipe and Fittings

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** 



### Schedule 40 **Tapered Socket Dimensions**

# PVC SCHEDULE 40 - ASTM D 2466

	Schedule 80 ar	nd Schedule 40 Sc		Schedule 80	Schedule 40		
Nominal Size	Entrance A	Bottom B	Tolerance	Socket Length C (Minimum)	Socket Length C (Minimum)		
1/2	0.848	0.836	±0.004	0.875	0.688		
3/4	1.058	1.046	±0.004	1.000	0.719		
1	1.325	1.310	±0.005	1.125	0.875		
11/4	1.670	1.655	±0.005	1.250	0.938		
11/2	1.912	1.894	±0.006	1.375	1.094		
2	2.387	2.369	±0.006	1.500	1.156		
21/2	2.889	2.868	±0.007	1.750	1.750		
3	3.516	3.492	±0.008	1.875	1.875		
4	4.518	4.491	±0.009	2.250	2.000		
6	6.647	6.614	±0.011	3.000	3.000		
8	8.655	8.610	±0.015	4.000	4.000		
10	10.780	10.735	±0.015	5.000	5.000		
12	12.780	12.735	±0.015	6.000	6.000		

	Sizes Available															
Product	1/2	3/4	1	11/4	11/2	2	21/2	3	4	5	6	8	10	12	14	16
PVC Schedule 40	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•