

## Polyvinylidene Fluoride (PVDF) Schedule 40

### Pipe:

#### PVDF Schedule 40

Orion's Plenum Plus acid waste pipe will be manufactured to the dimensions and tolerances of ASTM F1673 from PVDF material in 10' lengths. Pipe will be cylindrical and straight. Pipe will be factory grooved. The PVDF material will conform to ASTM D3222.

### Fittings

Orion's Plenum Plus fittings will be manufactured to Schedule 40 dimensions per ASTM F1673 and will be manufactured from PVDF material conforming to ASTM D3222. Fitting layout will conform to ASTM D3311 and F1673.

### Joining Methods:

#### No-Hub Mechanical Joint®

Pipe and fittings will be joined using the No-Hub method, utilizing all plain end factory-grooved fittings joined with Orion's No-Hub couplings. Each No-Hub coupling will have an outer band of 300 series stainless steel with 5/16" bolts, nuts and washers plated to meet a 100-hour salt spray test per ASTM B117. The No-Hub joint will conform to the requirements of ASTM F1673.

#### Rionfuse CF® (Clamp-Free) Electrofusion

Pipe and fittings will be the same as the No-Hub system, but are to be joined with Orion's Rionfuse CF couplings. The Rionfuse machine will be used to produce a hermetically sealed joint. The joints will conform to ASTM 1290, Technique I.

#### Socket Fusion

All fittings are to be socket end. All joints are to be made with Orion's heat fusion tool to produce a hermetically sealed joint. Joints and joining procedures will conform to ASTM 2657, Technique I.



Engineer: \_\_\_\_\_

Job Name: \_\_\_\_\_

Contractor: \_\_\_\_\_

Job Location: \_\_\_\_\_

Representative: \_\_\_\_\_