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--- SUBMITTAL SHEET AWPVDF-S40 ---

Acid Waste Submittal Specification
 Polyvinylidene Fluoride (PVDF) Schedule 40

PIPE:

Plenum Plus® 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 supplied with factory grooves. The PVDF material will conform to ASTM D3222.

FITTINGS:

Orion's Plenum Plus® acid waste fittings will be manufactured to Schedule 40 dimensions per ASTM F1673 and will be made of PVDF material. Fitting layouts will conform to ASTM D3311 and F1673. The PVDF material will conform to ASTM D3222.

JOINING METHODS:

No-Hub Mechanical Joint®

Pipe and fittings will be joined using the No-Hub method utilizing plain end fittings joined with Orion's No-Hub couplings. All couplings shall have a chemical resistance equal to the pipe and fittings. 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 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 joined using the Rionfuse CF® electrofusion method utilizing plain end fittings joined with Orion's Rionfuse CF® couplings. All couplings are made from PVDF material conforming to ASTM D3222. The Rionfuse machine will be used to produce a hermetically sealed joint. The electrofusion 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 tools and head sets to produce a hermetically sealed joint. Joints and joining procedures will conform to ASTM 2657, Technique I.

Job Name _____
 Job Location _____
 Engineer _____

Contractor _____
 Contractor's PO# _____
 Representative _____

Orion reserves the right to modify or change product design or construction without prior notice and without incurring any obligation to make similar changes or modifications to products previously or subsequently sold. See your Orion representative for any clarification. Dimensions are subject to manufacturing tolerances.