

Polyvinylidene Fluoride (PVDF) Riontite™

Pipe:

Orion PVDF Pipe

Pipe will be manufactured to Schedule 80, iron pipe dimensions, from virgin, unpigmented PVDF (polyvinylidene fluoride) resin, meeting ASTM D3222, using no plasticizers or pigments. Pipe will be furnished in 10' lengths, grooved and capped. Pipe will meet all dimensional tolerances of ASTM D2447.

Fittings:

Orion PVDF Fittings Riontite™

Fittings will be manufactured to Schedule 80, wall thickness from virgin, unpigmented PVDF (polyvinylidene fluoride) resin meeting ASTM D3222. Fittings are to be joined by using the Riontite No-Hub/Plain End method. All fittings test to 150 psi @ 73° F. Each fittings will be individually packaged and sealed.

Ball Valves:

Orion PVDF

Ball valves will be manufactured from virgin unpigmented PVDF (polyvinylidene fluoride) to be fully compatible with the Orion high purity PVDF system. All valves test to 150 psi @ 73° F. Each ball valve will be individually bagged.

Ball Check Valves:

Orion PVDF

Ball check valves will be manufactured from virgin PVDF (polyvinylidene fluoride) to be fully compatible with the Orion high purity PVDF system. All valves will test to 150 psi @ 73° F. Each valve will be individually bagged.

Needle Valves

Needle valves will be manufactured from virgin unpigmented PVDF (Polyvinylidene Fluoride) resin meeting ASTM D3222 to be fully compatible with the Orion high purity system. Each valve shall be individually packaged and sealed.

Diaphragm Valves

Diaphragm valves will be manufactured from virgin unpigmented PVDF (Polyvinylidene Fluoride) resin meeting ASTM D3222 to be fully compatible with the Orion high purity PVDF system. All diaphragm valves shall test to 150 psi at 73°F. All valves shall be individually bagged.

Pipe & Fittings: Orion Standardline

Pipe & Fittings shall be manufactured to Schedule 80 iron pipe dimensions, from natural unpigmented virgin polypropylene copolymer (Type II) material. Pipe material shall meet ASTM D4101 and shall be manufactured to meet dimensional tolerances of ASTM D2447. The joining method shall be socket fusion using Orion tools producing a fusion joint meeting ASTM D2657. Pipe will be furnished in 10' lengths.

Ball Valve: Orion Standardline

Ball valves shall be manufactured to be fully compatible with the Orion Standardline system. All valves shall test to 150 psi at 73°F.