



Chem Proline® is a highly advanced crack resistant polyethylene piping system designed for the harshest liquid chemical applications. Made from the latest generation of PE resin, Chem Proline® pipe and fittings possess the greatest resistance to “slow crack growth.” Chem Proline® is a lower cost alternative to PVC, C-PVC, metal, FRP and lined steel piping systems.



A complete system that includes pipe, fittings, valves, leak detection, injection quills and chemical feed skids, Chem Proline® has a design life expectancy of up to 50 years. Asahi/America’s thermally fused Chem Proline® uses no glues and features minimal threaded connections. Asahi/America’s Chem Proline® is UV resistant and can be installed above or below ground using socket, butt or electrofusion joining methods.

Chem Proline’s® pH capability ranges from 1-14, with pressures up to 150 psi and temperatures up to 140°F. Available in pipe sizes up to 315mm (12”), Chem Proline® is ideally suited for use in facilities that have liquid process pressure or drainage systems and is suitable for a wide variety of applications like bleaching/disinfecting/oxidizing chemicals, bases, acids, blended chemicals and process waste systems.

**Features & Benefits**

- Excellent chemical and corrosion resistance
- Available in sizes 20 - 315mm (1/2” to 12”)
- Fast installation, low cost of ownership
- Constructed from specially engineered high-density polyethylene (HDPE) resin
- UV resistant black

**Supply Range**

**Standard Materials:**

PE Polyethylene

**Pipe and Fittings**

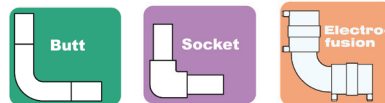
- 20 - 315mm (1/2” - 12”) \* 150 psi
- \*Larger sizes available upon request

**Valves**

Materials: PVC, C-PVC with Chem Proline® End Connectors

- Type-21 Ball Valves: 20 - 110mm (1/2” - 4”)
- Type-57 Butterfly Valves: 50 - 315mm (1-1/2” - 12”)
- Type-14 Diaphragm Valves: 20 - 250mm (1/2” - 10”)
- Ball Check Valves: 20 - 110mm (1/2” - 4”)
- Regulator Valves, Relief Valves, Calibration Columns, Gauge Guards, Pulsation Dampers

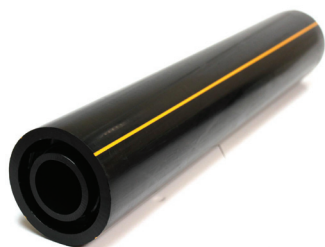
**Welding Methods**



**Ideal Applications**

- pH range 1-14
- Bleach (sodium hypochlorite)
- Process Chemical & Waste
- Caustic
- Acids
- Industrial Water
- Compressed Air
- Above or Below Ground
- Horizontal Directional Drilling

**Chem Prolok® - Double Wall Piping System**



Introducing Chem Prolok®, the newest addition to Asahi/America's family of double containment environmental piping lines. Chem Prolok® is a new revolutionary double wall piping system offered in either Chem Proline® x PE 100 or Chem Proline® x Chem Proline®. PE's chemical compatibility is resistant to crack propagation and the fused system eliminates the need for cement and thread. Chem Prolok® is also highly resistant to sunlight allowing for above ground installations. Stocking sizes 1x3 through 12x16.

**Supply Range**

**Standard Materials:**

PE Polyethylene (both inner & outer)

**Pipe and Fittings**

- 1x3 through 12x16
- Ratings: Pipe: SDR 11 / PN 10 / 150 PSI (inner or outer) and SDR 33 / PN 3.5 / 45 PSI (outer)

**Welding Methods**

Staggered and Simultaneous Butt Fusion

