

**Super Proline® - PVDF**



Super Proline® piping systems are made from the highest quality suspension grade PVDF resin. Super Proline® is suitable for a wide range of applications with a pH range of 1 to 8 and temperatures up to 120°C. Super Proline® Type II PVDF resins produced by suspension exhibit better properties than Type I PVDF produced by the emulsion process. Super Proline® is the best choice for chemical process applications that typically see varying temperatures. Super Proline® uses fusion joining technology with socket or butt fusion.

**Ideal applications:** 93-96% Sulfuric Acid, High Temperature Fluid Transfer, Acids

**Supply Range**

**Pipe and Fitting**

- 20mm - 315mm (1/2" - 12") SDR 21, 230psi
- 90mm - 400mm (3" - 16") SDR 33, 150psi

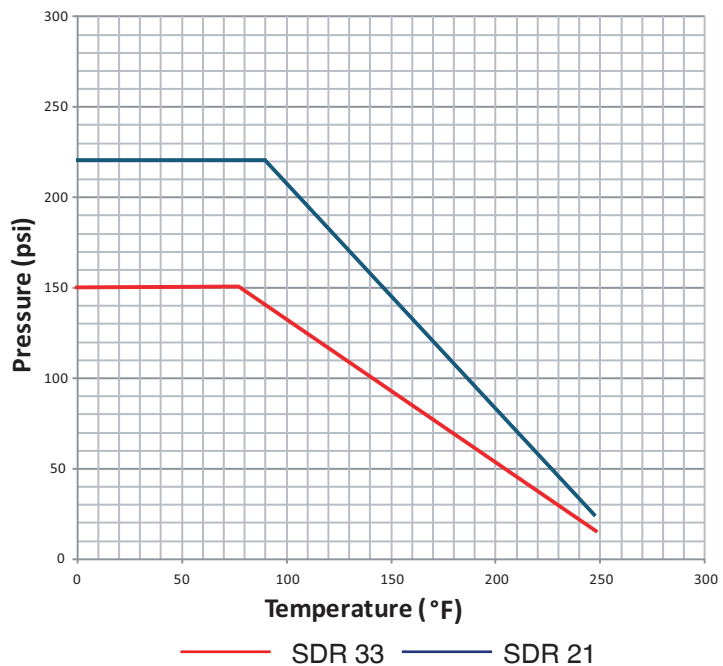
**Valves**

- Type-21 Ball Valves:  
20mm - 110mm (1/2" - 4")
- Type-57 Butterfly Valves:  
50mm - 315mm (1-1/2" - 12")
- Type-14 Diaphragm Valves:  
20mm - 110mm (1/2" - 4")
- Ball Check Valves:  
20mm - 110mm (1/2" - 4")
- Frank Series Regulating Valves:  
20mm - 75mm (1/2" - 2-1/2")

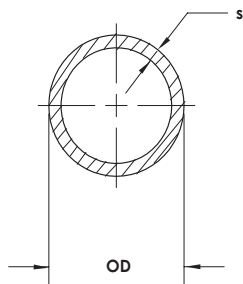
**Welding Methods**



**Pressure Rating**



**SDR Advantage**



$$SDR = \frac{OD}{s}$$

Standard dimensional ratio provides a consistent pressure rating across the entire size range. Super Proline® is offered in two thickness ratios: SDR 33 (150psi) and SDR 21 (230psi). Substantial cost savings can be realized by supplying SDR 33 material starting at Asahi's industry-leading smallest diameter of 90mm. For systems requiring only 150psi, SDR 33 piping and fittings use 35 percent less material than SDR 21.

System components such as instruments and valves typically carry pressure rating less than 230psi and, therefore, savings can be immediately realized by engineering your system with equal pressure ratings.

