Ultra Proline® - Halar® (ECTFE)



Halar® (ECTFE) is a thermoplastic melt processable copolymer resin in the fluoropolymer family consisting of ethylene (E) and chlorotrifluoroethylene (CTFE). Because of its excellent chemical and temperature resistance, Halar® piping systems are highly versatile and suitable for the broadest range of applications. Halar® can handle a pH from 1 to 14. Halar® does particularly well where other alternatives like expensive metal materials (titanium, alloy 20, 316/304L SS) or lined steel are being used with limited results. Halar® is used for high concentrations of acids (sulfuric acid) and highly oxidative applications like sodium hypochlorite, chlorine gas, ozone, and chlorine dioxide with great success. It is also suitable for solvents and/or high pH applications at elevated temperatures.

Ideal applications: High Concentration Sulfuric Acid, pH 1-14, Bleach, Strong Oxidation Agents

Supply Range

Pipe and Fitting

• 20mm - 110mm (1/2" - 4") SDR 21, 150psi

Valves

- Type-21 Ball Valves:
 20mm 32mm (1/2" 1")
- T-342 Diaphragm Valves: 20mm - 63mm (1/2" - 2")
- Frank Series Regulating Valves: 20mm 63mm (1/2" 2")

Welding Method

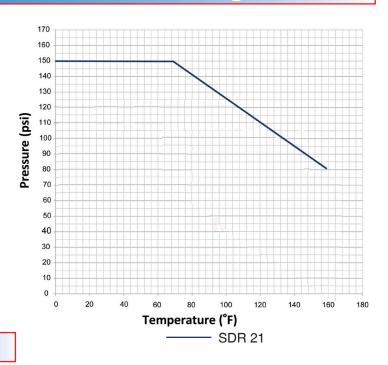


Resins

Permeation of CI2

Ultra Proline® provides technical benefits as well as cost savings over traditional PFA systems and is less permeable than PFA.

Pressure Rating



Asahi/America's Ultra Proline® piping system is manufactured by AGRU of Austria from Solvay's Halar® resin (ECTFE).

ECTFE is one of the most chemically resistant plastics available.

