

## FLUOR-O-FLO® XPress Clamp-Joint Piping System - PTFE

### Engineering Specifications

All pipe in sizes 1" through 2" shall be made from virgin PTFE (polytetrafluoroethylene) resin conforming to ASTM D4894 Type V.

All fittings shall be made from virgin PTFE resin conforming to ASTM D4894 Type V or ASTM D4894 Type I, II, or III, and shall have wall thickness equal to or greater than that of the pipe.

All Coupling-Clamps shall have 100% PTFE, FEP or PFA primary and secondary fluid contact areas. Sealing forces on Coupling-Clamp shall be exerted by double stainless-steel clamps capable of exerting two fully independent clamping forces, one at each end of the Coupling-Clamp. The forces shall be transmitted to the PTFE, FEP, or PFA contact areas via elastomeric o-rings that will maintain sealing pressure as the PTFE pipe being sealed shrinks slightly under the radial clamping load.

As in the FLUOR-O-FLO® XPress PTFE piping System manufactured by Micromold Products, Inc. (Refer to U.S. Patent Number 6,976,712), installation shall be performed in accordance with Micromold's Technical Bulletin: FLUOR-O-FLO® XPress PTFE Clamp-Joint Piping System Installation Instructions.

Pressure Rating: Maximum pressure in service not to exceed 15psi (or 35 feet of water) at ambient temperatures.

For further information regarding these and other related products, please refer to other MICROMOLD PRODUCTS' publications:

- Technical Bulletin, Pressure Ratings, FLUOR-O-FLO® PTFE Threaded Piping System.
- Sales Bulletin, FLUOR-O-FLO® XPress PTFE Clamp-Joint Piping System for Drainline & Process Applications.
- Sales Bulletin, FLUOR-O-VALVE™ PTFE Plug Valves.
- Sales Bulletin, FLUOR-O-SHIELD™ PVDF & PTFE Y-Strainers.
- Sales Bulletin, FLUOR-O-SHIELD™ PVDF & PTFE Basket Strainers.