

## Chlorinated Poly Vinyl Chloride (CPVC Schedule 80)

### CPVC Schedule 80 Bonder Qualification Pressure Test Criteria ASME B31.3 Section A328.2 (A328.2.5 c)

Bonding Procedure Specification: Reference ASTM D 2855 – latest revision  
Specimen Material: CPVC Schedule 80 Pipe (ASTM F 441) and Fittings (ASTM F 439)

Test Pump: RIGID TOOLS (Catalog No. 50557, Model No. 1450)

Test Media: clean water

Qualification Range: ¼" NPS to 16" NPS

Ss = 7530 psi

Sh = 2000 psi

Tw = 0.337" inches

D = 4.500" inches

$$Pt = 0.8 (Tw) \times \{Ss + 2 ( Sh) \} / [ D - Tw ] \}$$

$$Pt = 0.8 (0.337) \times \{7530 + 2 (2000)\} / [ 4.500 - 0.337 ] \}$$

$$Pt = 0.2696 \times \{2769.64\}$$

$$Pt = 746.7 \text{ psi}$$

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