

**IPC 1505AR** is a thermosetting epoxy powder coating specially engineered for inside downhole tubulars in rod pump production wells.

**IPC 1505AR** is a high performance epoxy powder specifically designed to have the highest levels of abrasion resistance to reduce the impact of mechanical wear caused in rod pump production. It has excellent corrosion resistance in sweet oil and gas production and maintains its excellent flexibility over time.

**Additional Information:**

**Recommended Services:**

- CO<sub>2</sub> injection (WAG)
- Oil / water / gas production
- Salt water disposal (SWD)
- Rod pump production
- High solids / fluid rate injection

**Benefits:**

- Excellent flexibility
- Excellent abrasion resistance
- Excellent corrosion resistance
- Excellent adhesion

**Characteristics:**

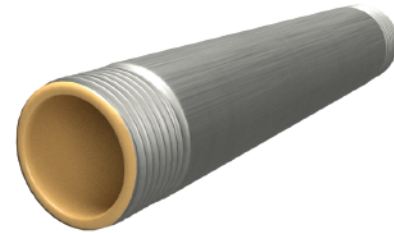
- Color: tan
- Generic type: modified epoxy
- Primer: phenolic
- Operating temperatures: 250°F (121°C)
- Thickness: 10-20 dry mils

**Abrasion Resistance (Taber Abrasion Test | ASTM D4060):**

- CS-17 Wheel at 1,000g load at 1,000 Cycles
- Average Weight Loss: 5.0 mg

**Coating Capabilities:**

- Tubing: 2 3/8" - 4 1/2"
- Casing: 4 1/2" - 7"



**Successful Autoclave Results\*:**

Temperature	Pressure	Test Conditions	Time Period	Result
300°F	6,500 psig	27% CO <sub>2</sub> / 73% CH <sub>4</sub> / 1:1 Toluene / Kerosene / 5% Brine	16 Hours	Pass

\*These test results are presented as simulated conditions and should be used as guidelines only; they are not intended for warranty serviceability.