

IPC 101 is a fusion-bond, holiday free nylon powder coating. It is designed for general corrosive service, and its flexibility allows it to withstand reverse impact damage and metal deformation better than conventional thermoset coatings. This coating is abrasion resistant to dissolved solids (sand) and has been effective in CO₂, water and hydrocarbon environments.

IPC 101 is a thick-film coating based upon nylon chemistry. It offers excellent abrasion resistance properties against produced sands while displaying excellent handling characteristics due to increased flexibility.

Additional Information:

Recommended Services:

- Oil and gas production
- CO₂ injection (WAG)
- Gas lift
- Line pipe
- Rod pump wells

Benefits:

- Reduces mechanical damage
- Excellent abrasion resistance
- Excellent flexibility

Characteristics:

- Color: black
- Generic type: nylon 11
- Primer: phenolic
- Operating temperatures: 225°F (107°C)
- Thickness: 10-30 dry mils

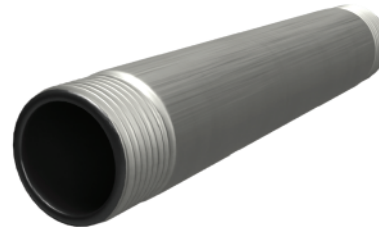
Abrasion Resistance (Taber Abrasion Test | ASTM D4060):

- CS-17 wheel at 1,000g load at 1,000 cycles
- Average weight loss: 6.0 mg

Coating Capabilities:

- Tubing: 2 3/8" – 4 1/2"
- Casing*: 4 1/2"

**caution must be used during make up of large ID pipe*



Successful Autoclave Results*:

Temperature	Pressure	Test Conditions	Time Period	Result
250°F	6,500 psig	3% CO ₂ / 97% CH ₄ LD / Brine	16 Hours	Pass
200°F	5,000 psig	1% H ₂ S / 20% CO ₂ LD / 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.*