

*Teel*

Knowledgeable. Experienced. Dependable.

PA 1 2 GAS PIPE

### PA 12 Gas Pipe

Teel's polyamide 12 gas pipe is made from polyamide material that meets or exceeds regulatory, performance, and cell classification standards for gas applications up to 250 psi. It is compliant with PHMSA requirements for regulated gas distribution operations and is compliant with all standard joining techniques designed for use with polyamide.

#### Product Specifications

**SDR:** 11 and 13.5

**Size Range:** 1" - 6" diameter

**Coil Length:** Available in 40' or 50' sticks. Also available on reels and in coils.

#### ASTM-Driven Quality Assurance

Teel's PA 12 meets or exceeds the applicable test standards listed in ASTM F2785-18a. These include:

##### Initial Validation

- Resistance to Crack Propagation – ISO 13478
- Short- and Long-Term Properties – D6779 & D2837
- Slow Crack Growth – F1473
- Outdoor Storage Stability – F2785-18a
- Chemical Resistance – D543
- Elevated Temperature Service – D2837

##### Semi-Annual Testing

- Sustained Pressure – D1598

##### Production Testing

- Dimensional Requirements – D2122
- Minimum Hydrostatic Burst Pressure – D1599



### Innovative Polyamide 12 Material Compared to Alternatives

#### PA to PE

- Higher operating pressures – allowed up to 250 psig
- No chemical deration
- Higher temperature performance
- Lower gas permeation
- Squeeze-off compatible
- Works with electrofusion and butt fusion
- More scratch and abrasion resistant for rocky soil

#### PA to Steel

- Much faster install rate – no welding
- No need for 100% inspection of joints
- Spoolable up to 4"
- Can be hot-tapped
- Can be plowed and installed by HDD
- No reaction to sour or wet gas
- No cathodic protection required