



## BENEFITS

- Fully bonded solid wall
- Inherent corrosion resistance
- Competitively priced versus Reinforced Thermoplastic Pipe (RTP) solutions
- No annulus
- Resists kinking
- Resists liner collapse
- Uses standard crews and workflows
- No certifications or annual training fees
- Coils not reels
- Reduced lifting costs
- Installation reels provided at no cost
- Open ditch hydrotesting
- Resists crushing during backfill
- Pipe can remain filled during backfill
- No in-situ pipe movement from thermal cycling
- Designed for onshore flexibility with bend radii comparable to RTP



TruComp™ manufactures patented **Thermocomposite Plastic Pipe (TCP)** designed to meet API 15 S qualification for demanding oil & gas, fluid transport, and water transfer applications.



## CONTACT US

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## TruComp™ Thermoplastic Composite Pipe

### Technical Data

Product	Diameter in / mm	Pipe OD in / mm	Pipe ID in / mm	Wall Thickness in / mm	MAOP psi / bar	MAOT °F / °C	MBR Operational ft / m	MBR Storage ft / m	Average Coil Length ft / m
<b>TCP-500</b>	<b>3 / 76.2</b>	<b>3.81 / 96.77</b>	<b>3.084 / 78.33</b>	<b>0.363 / 9.22</b>	<b>500 / 34.4</b>	<b>180 / 82</b>	<b>8 / 2.43</b>	<b>8 / 2.43</b>	<b>1,804 / 550</b>
<b>TCP-4-500</b>	<b>4 / 101.6</b>	<b>4.93 / 125.22</b>	<b>3.93 / 99.82</b>	<b>0.500 / 12.7</b>	<b>500 / 34.4</b>	<b>180 / 82</b>	<b>8 / 2.43</b>	<b>8 / 2.43</b>	<b>1,525 / 465</b>
<i>TCP 3 - 1000 psi and 1500 psi commercially available June 2026</i>									
<i>TCP 4 - 1000 psi and 1500 psi commercially available June 2026</i>									

Technical Criteria	Coefficient of Flow	Elongation	Cyclic Fatigue	High Pressure	Bend Radius	Moisture / Gas in Annulus	Corrosion	Installation Ease + Overall Investment	Joint Cost
<b>TruComp™ Fully Bonded</b>	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>
Steel Pipe	Very Poor	Excellent	Excellent	Excellent	Very Poor	N/A	Very Poor	Very Poor	Very Poor
Steel Band Reinforced RTP	Excellent	Excellent	Good	Excellent	Fair	Very Poor	Fair	Fair	Very Poor
Aramid Fiber Reinforced RTP	Excellent	Fair	Very Poor	Fair	Excellent	Good	Excellent	Good	Fair
Glass Epoxy Reinforced RTP	Excellent	Good	Very Poor	Excellent	Very Poor	Good	Excellent	Good	Fair
Dry Glass & Steel Cord Reinforced RTP	Excellent	Good	Good	Excellent	Fair	Very Poor	Fair	Fair	Fair
Dry Glass Reinforced RTP	Excellent	Good	Very Poor	Very Poor	Excellent	Good	Excellent	Good	Fair

### Pipe Material

#### API 15 S TruComp™ TCP designed to meet Spoolable Pipe Qualification\*

API 15SIH	API 15 Storage Installation & Handling
ASTMD746	Brittleness Temperature at Impact
ASTMD1598	1000 hour Constant Pressure Test Ceramic Coating
ASTMD1599	Short Term Hydraulic Pressure Test
ASTM D2444	Impact Resistance by Means of TUP Weight
ASTM D2565	UV Protection
ASTM D3350	Standard Specification for PE Pipe and Fitting Materials
ASTM D3479	Tension Fatigue of Polymer Composite Materials
ASTMD4000	Classification System for Plastic Materials
PPI TR-19	Chemical Resistance of Thermoplastic Materials

### Connections & Transitions

#### ANSI B31.1

AMPP/NACE MR0175
ASTM B117
ASTM D2794
ASTM D3359
ASTM D3363
ASTM D4060
NACE TM 0185-2006

#### 316L Standard Material

Weld neck Pipe to Pipe
Salt Spray Corrosion Resistance
Impact Resistance
Cross Cut Adhesion Test
Pencil Hardness Gouge/Scratch
Tabor Abrasion
Autoclave Test