



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.



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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
TC3-500	3 / 76.2	3.81 / 96.77	3.084 / 78.33	0.363 / 9.22	500 / 34.4	180 / 82	8 / 2.43	8 / 2.43	1,804 / 550
TC3-1000	3 / 76.2	3.5 / 88.91	3.068 / 66.7	.215 / 5.482	1000 / 68.94	180 / 82	8 / 2.43	8 / 2.43	1804 / 550
TC4-500	4 / 101.6	4.93 / 125.22	3.93 / 99.82	0.500 / 12.7	500 / 34.4	180 / 82	8 / 2.43	8 / 2.43	1,525 / 465
TC4-1000	4 / 101.6	4.5 / 114.4	4.026 / 102.3	.237 / 6.021	1000 / 68.94	180 / 82	8 / 2.43	8 / 2.43	1804 / 550

TC3-1500 psi, TC4-1500 psi and TC6-500, 1000 and 1500 psi commercially available July 2026.

Technical Criteria	Coefficient of Flow	Elongation	Cyclic Fatigue	High Pressure	Bend Radius	Moisture / Gas in Annulus	Corrosion	Installation Ease + Overall Investment	Joint Cost
TruComp™ Fully Bonded	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
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 MRO175
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