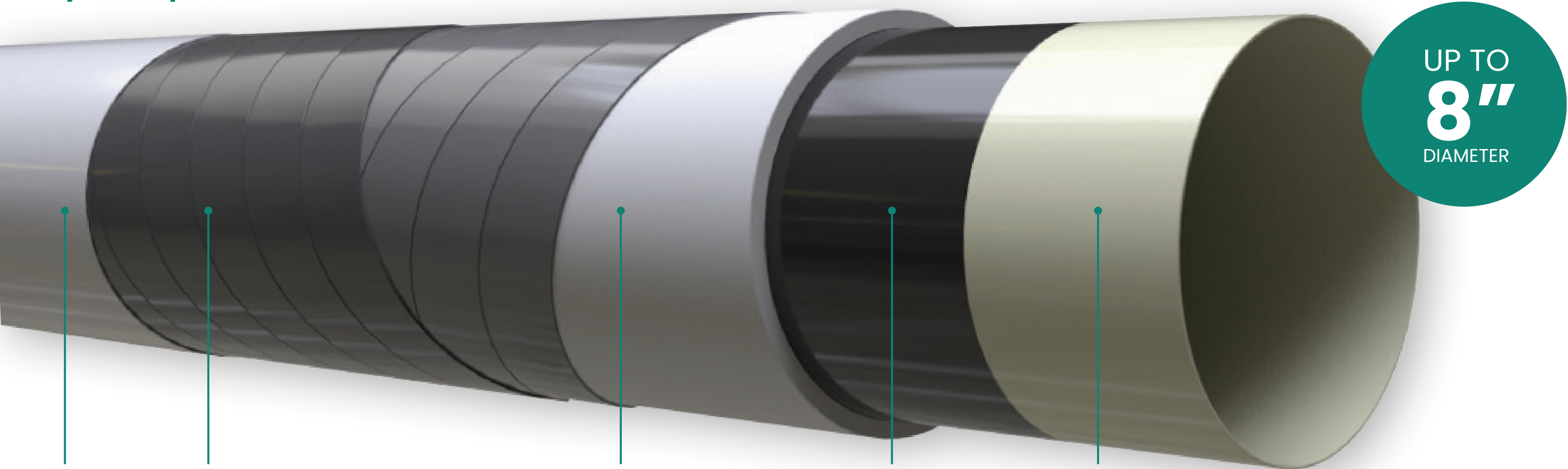




PythonPipe spoolable composite pipe

PythonPipe™ Products



Abrasion
Resistant
HDPE
Outer
Jacket

Proprietary Reinforcement Layer Options

Glass Fiber (API 15S PythonPipe GF)

- Optimal weight to pressure resistance
- For applications up o 1,500 psi
- Good for sour service applications

Steel Wire (API 15S PythonPipe SW)

- For highest pressure resistance—up to 3,000 psi

Aramid Fiber (Non-API 15S Thermoflex Brand)

- Best tensile strength to weight ratio
- Best suited for pull-through or pipe rehabilitation applications

HDPE Base Pipe
Layer For High
Temperature
Strength (Up
To 180°F)

Note: Other Variations
Available

Tiebond Layer

Chemically bonds
alternate material liner
and HDPE base pipe

Proprietary Permeation
Resistant Liner Options

Nylon

- Adds gas permeating resistance vs. HDPE
- Improved resistance to paraffin deposition

PPS

- Highest permeation resistance
- Best for extremely corrosive environments

UP TO
8"
DIAMETER

Fittings

No welding required or makeup needed for flanges or thread joints.

- Coupling options include flanges, weld ends, and threaded ends – all can be made with standard or custom pipe sizes
- End fittings connect to common oilfield infrastructure
- Available in carbon steel, FBE coated, or stainless steel (316 or 2205 duplex)



Services

A range of services customized to your requirements.

- Deployment Oversight
- Installation and connection
- Hydrostatic Testing Oversight
- Repairs
- Equipment Rental
- Certification (Contractor or customer)
- Offloading/Loading oversight

Available Products

PythonPipe – Glass Fiber Reinforced*

Size	Operational Temperature (°F)	Nominal Pressure (in.)	Outside Diameter (in.)	Inside Diameter (in.)	Max. Length Per Reel (ft)	Min. Bend Radius (ft)	Reel Size (ft)	Max. Reel Weight (lb)
4"	150°F/180°F	750	4.71	3.83	2,110	7.8	14.5	10,396
		1,500	4.9	3.83	1,910	8.2	14.5	11,639
6"	150°F/180°F	750	6.87	5.6	870	11.4	17.3	9,550
		1,500	7.2	5.6	460/1,100	12.0	16.3/17.4	9,295/15,386
8"	150°F/180°F	750	9.31	7.63	365/850	15.5	16.3/17.4	9,342/15,232

The weights can vary by 20%.

PythonPipe – Steel Wire Reinforced*

Size	Operational Temperature (°F)	Nominal Pressure (in.)	Outside Diameter (in.)	Inside Diameter (in.)	Max. Length Per Reel (ft)	Min. Bend Radius (ft)	Reel Size (ft)	Max. Reel Weight (lb)
4"	150°F/180°F	2,250	4.84	3.83	1,700**	8.1	14.5	8,595
		3,000	4.84	3.83	1,700**	8.1	14.5	8,595
6"	150°F/180°F	1,500	6.94	5.6	835	11.6	14.5	10,813
		2,250	7.26	5.6	805	12.1	14.5	13,520
		3,000	7.26	5.6	805	12.1	14.5	13,520

The weights can vary by 20%.

Thermoflex – Aramid Fiber Reinforced*

Size	Operational Temperature (°F)	Nominal Pressure (in.)	Outside Diameter (in.)	Inside Diameter (in.)	Max. Length Per Reel (ft)	Min. Bend Radius (ft)	Reel Size (ft)	Max. Reel Weight (lb)
2.375"	150°F/180°F	500	2.35	1.9	6,600	3.9	10.3	5,720
		750	2.35	1.9	6,250	3.9	10.3	5,550
		1,500	6.94	1.9	6,000	3.9	10.3	5,920
3"	150°F/180°F	500	3.05	2.52	5,100	5.1	12	6,904
		750	3.05	2.52	5,400	5.1	12	7,270
		1,500	3.05	2.52	5,200	5.1	12	7,320
4"	150°F/180°F	500	4.04	3.36	2,140	6.7	12	5,388
		750	4.04	3.36	2,850	6.7	12	6,730
		1,500	4.04	3.36	1,850	6.7	12	5,023
6"	150°F/180°F	500	6.06	5.03	940	10.1	14.5	6,604
		750	6.06	5.03	600	10.1	14.5	5,300

The weights can vary by 20%.

*Available with HDPE, Nylon, and PPS Liners

**Two runs of pipe per reel, requiring an additional splice per reel

PythonPipe™ spoolable composite pipe

Our Value Proposition



Corrosion & Chemical

Unmatched resistance (co-extrusion)



Early Production

Over 60% faster installation and tie-in



CAPEX

Up to **4X savings** in installation cost compared to steel



OPEX

Maintenance cost (cleaning and coating) reduced by **up to 80%**



Decarbonation

Reduce cradle to grave CO₂ impact by **up to 75%**

Where we play

Oil & gas

Corrosive environments will always go hand in hand. As strong as steel, but with greater durability, PythonPipe will outlast and outperform conventional pipelines

Water transport

Produced, fresh water transport or disposal present erosion and corrosion issues that steel pipes cannot address without extensive maintenance and treatment. PythonPipe offers a cost-competitive alternative

Mining

Slurries transported in mining often face the same challenges as high pressures, temperatures, and corrosion/erosion of hydrocarbon transport. Low abrasion and no pressure derating of the pipe allows for **high flow at optimal diameters**

Other

New energies applications in CCUS and **hydrogen benefit from the reduced permeation advantages**. PythonPipe is also a cost effective solution for rehabilitating aging assets

Discover how PythonPipe spoolable composite pipe can reduce your capital and operations expenditures, reduce production downtime, and improve your profits for the entire life cycle of the installation. Learn what to look for to determine which pipe configuration is right for your application.

Request more information or connect with a Baker Hughes representative at:

bakerhughes.com/onshore-composite-pipe



