



FLEXPIPE™ LINEPIPE HIGH TEMPERATURE

Constructed from the highest performing grade of HDPE-RT, **FlexPipe Linepipe High Temperature (FPLP HT)** has the same benefits of FlexPipe Linepipe, but with a higher operating temperature in extreme conditions. No de-rating required for oil and gas applications.

RELIABILITY AND SAFETY

Superior impact resistance, higher flow rates, robust leak free fitting connections and corrosive resistance sets our products apart from other composite linepipe on the market. Shawcor offers an epoxy-free composite linepipe solution to eliminate micro-cracking which is susceptible in other composite linepipe due to the presence of epoxy. Our superior impact resistance eliminates the need for sand padding saving installation costs unlike fiberglass products. Lighter weight pipe and reels allow easier handling. Our outstanding safety record is enabled by lower stored energy levels in pipe coils relative to competing products.

DESIGNED AND BUILT TO EXCEED INDUSTRY STANDARDS

Built to exceed the industry requirements of CSA, API and ASTM standards that Shawcor aids in developing. Our products are suitable for sour service applications up to 100,000 ppm H₂S compared to other composites which are limited to sweet service applications due to steel plate reinforcement design. Hot oiling is allowed at 93°C (200°F) for 500 hours across the product life (2 hours per month for 20 years). Our products also have high abrasion resistance and fire resistant properties.

APPLICATIONS ENGINEERING AND INSTALLATION SUPPORT

With in-house applications engineers assigned to each project, we provide thorough reviews of each job and educated recommendations to ensure the best product fit. Industry leading contractor installation training allows customers better control over project timing, costs and completion.

82° C
(180° F)

**MAXIMUM CONTINUOUS
OPERATING TEMPERATURE
93° C (200° F) FOR HOT OILING**

1,500 psi
(ANSI 600)

**MAXIMUM OPERATING
PRESSURE**

APPLICATIONS:

Oil, gas, water, H₂S (up to 100,000 ppm) and CO₂ (up to 100%)

ID SIZES:

2, 3 and 4 inch

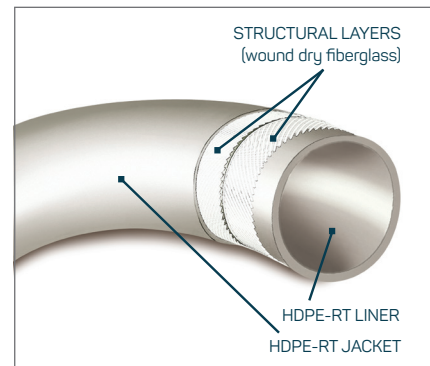
LENGTH PER REEL:

570–1,120 meters (1,870–3,675 feet)

INSTALLATION:

Trenching, plowing, chain ditching, surface lines, horizontal directional drilling (HDD), liner pulls (remediation)

FPLP HT is the most reliable onshore high temperature linepipe on the market thanks to its winning combination of high-density polyethylene, helically wound epoxy-free dry fiberglass and a protective outer jacket.



		FP301 HT			FP601 HT		
MAXIMUM OPERATING PRESSURE @ 82°C OR 180°F		5,171 KPA / 750 PSI			10,342 KPA / 1,500 PSI		
Nominal Size		2"	3"	4"	2"	3"	4"
Outside Diameter	Metric (mm)	69	97	124	73	101	130
	Imperial (inches)	2.73	3.80	4.89	2.86	3.96	5.11
Inside Diameter	Metric (mm)	54	77	99	54	77	99
	Imperial (inches)	2.12	3.02	3.90	2.12	3.02	3.90
Weight	Metric (kg/m)	1.7	3.0	4.9	2.4	4.3	6.9
	Imperial (lbs/ft)	1.1	2.0	3.3	1.6	2.9	4.6
Min. Bend Radius (operational)	Metric (m)	1.2	1.8	2.1	1.2	1.8	2.1
	Imperial (ft)	4	6	7	4	6	7
Length / Reel*	Metric (m)	1,120	760	735	1,120	700	570
	Imperial (ft)	3,675	2,495	2,410	3,675	2,300	1,870
Reel Diameter	Metric (m)	3.7	3.7	3.7	3.7	3.7	3.7
	Imperial (ft)	12	12	12	12	12	12
Reel Width	Metric (m)	1.2	1.2	2.4	1.2	1.2	2.4
	Imperial (ft)	4	4	8	4	4	8
Reel Weight – Full	Metric (kg)	2,550	2,960	4,750	3,320	3,690	5,080
	Imperial (lbs)	2,620	6,530	10,475	7,320	8,135	11,210
Reel Weight – Empty	Metric (kg)	680	680	1,150	680	680	1,150
	Imperial (lbs)	1,500	1,500	2,530	1,500	1,500	2,530
Fitting Outside Diameter**	Metric (mm)	81.5	110.7	139.7	85.1	115.6	144.3
	Imperial (inches)	3.21	4.36	5.50	3.35	4.55	5.68
Fitting Inside Diameter**	Metric (mm)	44.5	63.5	85.9	44.5	63.5	85.9
	Imperial (inches)	1.75	2.50	3.38	1.75	2.50	3.38

*Lengths and reel weights are approximate as they may vary depending on the manufacturing run.

**Fitting dimensions do not include O.D. of flange provided for flanged end fittings. Fitting O.D. and I.D. apply to flanged end, weld-neck and pipe-to-pipe coupling fittings.

Product data is subject to change without notice. Shawcor's products are patented by US Patents 6,889,716, 6,902,205, 7,946,629 B2 and 8,042,252 B2 by Canada Patents 2,513,506, 2,513,468 and 2,562,823 and by European Patent 1592908. Additional patents are pending. Shawcor products comply with API RP 15S, API 17J, CSA Z662-15, ASTM F2686 and ASTM D2992. ©Shawcor Ltd., 2015

Shawcor Ltd. is a global energy services company specializing in products and services for the pipeline and pipe services segment of the oil and gas industry and related products for petrochemical and industrial markets. The Company operates through a network of fixed and mobile manufacturing and service facilities located around the world and is valued for its integrity, technology, and proven capability to execute the most complex projects in our industry.