

## 2.0" 180°F Thermoflex® Gathering Line (Crude Oil, Water, Brine, Gas, CO<sub>2</sub>, H<sub>2</sub>S & Condensate)

Measures	Units	Values					
Normal Size	inch	2"		(50.8mm)			
Pipe Construction Materials	Liner	PA12					
	Backer	PE-RT					
	Reinforcement	Aramid Fiber					
	Cover	HDPE					
Outside Diameter	inch (mm)	2"		(50.8mm)			
Inside Diameter	inch (mm)	1.68"		(42.7mm)			
Maximum Continuous Operating Pressure	psi	275	500	750	1,000	1,500	2,000
	MPa	1.90	3.45	5.17	6.90	10.34	13.79
Minimum Short-Term Burst	psi	1124	1443	2142	2887	4284	5515
	MPa	7.75	9.95	14.77	19.91	29.54	38.03
Weight	lbf/ft	0.46	0.47	0.48	0.50	0.53	0.56
	kg/m	0.68	0.70	0.71	0.74	0.79	0.83
Length per reel	ft	8,750	7,500	5,850	8,000	8,700	8,800
	m	2,667	2,286	1,783	2,438	2,652	2,682
Reel Weight - Full	lbs	4,855	4,341	3,663	4,833	5,448	5,754
	kg	2,202	1,969	1,661	2,192	2,471	2,610
Reel Weight - Empty	lbs	850					
	kg	386					
Reel Size	ft	10.30					
	m	3.14					
Inside Diameter of Reel	ft	7.67	7.67	7.67	7.67	7.67	7.67
	m	2.34	2.34	2.34	2.34	2.34	2.34
Minimum Bend Radius (Operational)	ft	3.33					
	m	1.01					
Maximum Tensile Load	lbs	1,510	2,374	3,740	4,748	7,479	9,872
	kN	6.70	10.60	16.60	21.10	33.20	43.90
Thermal Expansion Coefficient	in/in °F(10 <sup>-5</sup> )	2.56	2.12	1.67	1.13	0.83	0.55
	m/m °C(10 <sup>-5</sup> )	4.61	3.82	3.01	2.03	1.49	0.99
OHTC @ ID	Btu/ ft <sup>2</sup> hr °F	5.09					
	W/m <sup>2</sup> K	28.90					
Flow Coefficient (Relative Roughness)	inch/inch	3.57E-05					
	mm/mm						
Derating Factors (Cyclic Load, Temp. Fluid)		none	none	none	none	none	none
Hazen-Williams Number		150					

Not intended for specification purposes. Data shown are approximate nominal values. Some variations in product dimensions and weight are to be expected. Other pressure and temperature ratings are available upon request.

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