



# 6.0" 150°F Thermoflex® Plus Gathering Line

(Crude Oil, Water, Brine, Gas, CO<sub>2</sub>, H<sub>2</sub>S & Condensate)

Measures	Units	Values		
Normal Size	inch	6" (152.4mm)		
Pipe Construction Materials	Liner	PPS		
	Backer	HDPE		
	Reinforcement	Aramid Fiber		
	Cover	HDPE		
Outside Diameter	inch (mm)	6.06" (153.9mm)		
Inside Diameter	inch (mm)	5.03" (127.8mm)		
Maximum Continuous Operating Pressure	psi	275	500	750
	MPa	1.90	3.45	5.17
Maximum Operating Temperature	(°F)	150		
	(°C)	65.6		
Weight	lbf/ft	3.90	3.93	3.98
	kg/m	5.80	5.85	5.92
Length per reel	ft	850	940	700
	m	259	287	213
Reel Weight - Full	lbs	4,317	4,696	3,787
	kg	1,958	2,130	1,718
Reel Weight - Empty	lbs	1,000		
	kg	454		
Reel Size	ft	14.50		
	m	4.42		
Inside Diameter of Reel	ft	12.00	12.00	12.83
	m	3.66	3.66	3.91
Minimum Bend Radius (Operational)	ft	10.10		
	m	3.08		
Maximum Tensile Load	lbs	10,229	22,785	29,311
	kN	45.50	101.30	130.30
Thermal Expansion Coefficient	in/in °F(10 <sup>-5</sup> )	3.80	2.08	1.65
	m/m °C(10 <sup>-5</sup> )	6.84	3.74	2.97
OHTC @ ID	Btu/ ft <sup>2</sup> hr °F	4.90		
	W/m <sup>2</sup> K	27.83		
Flow Coefficient (Relative Roughness)	inch/inch	1.19E-05		
	mm/mm			
Derating Factors (Cyclic Load, Temp. Fluid)		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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