



6.0" 180°F Thermoflex® RT Gathering Line

(Crude Oil, Water, Brine, Gas, CO₂, H₂S & Condensate)

Measures	Units	Values		
Normal Size	inch	6" (152.4mm)		
Pipe Construction Materials	Liner	PA12		
	Backer	RT-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)	180		
	(°C)	82.2		
Weight	lbf/ft	3.79	3.83	3.89
	kg/m	5.64	5.70	5.79
Length per reel	ft	900	940	600
	m	274	287	183
Reel Weight - Full	lbs	4,414	4,598	3,333
	kg	2,002	2,086	1,512
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	12,469	24,387	35,766
	kN	55.40	108.40	159.00
Thermal Expansion Coefficient	in/in °F(10 ⁻⁵)	3.20	1.78	1.20
	m/m °C(10 ⁻⁵)	5.76	3.20	2.16
OHTC @ ID	Btu/ ft ² hr °F	4.83		
	W/m ² K	27.43		
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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