



3.0" 150°F Thermoflex® Plus Gathering Line

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

Measures	Units	Values					
Normal Size	inch	3" (76.2mm)					
Pipe Construction Materials	Liner	PPS					
	Backer	HDPE					
	Reinforcement	Aramid Fiber					
	Cover	HDPE					
Outside Diameter	inch (mm)	3.05" (77.5mm)					
Inside Diameter	inch (mm)	2.52" (64mm)					
Maximum Continuous Operating Pressure	psi	275	500	750	1,000	1,500	1,800
	MPa	1.90	3.45	5.17	6.90	10.34	12.41
Maximum Operating Temperature	(°F)	150					
	(°C)	65.6					
Weight	lbf/ft	1.02	1.04	1.05	1.06	1.09	1.11
	kg/m	1.52	1.55	1.56	1.58	1.62	1.65
Length per reel	ft	5,400	5,100	5,400	5,400	5,200	4,800
	m	1,646	1,554	1,646	1,646	1,585	1,463
Reel Weight - Full	lbs	6,535	6,285	6,650	6,728	6,669	6,308
	kg	2,964	2,851	3,017	3,052	3,025	2,861
Reel Weight - Empty	lbs	1,000					
	kg	454					
Reel Size	ft	12.00					
	m	3.66					
Inside Diameter of Reel	ft	9.00	9.00	9.00	9.00	9.00	9.00
	m	2.74	2.74	2.74	2.74	2.74	2.74
Minimum Bend Radius (Operational)	ft	5.08					
	m	1.55					
Maximum Tensile Load	lbs	2,773	5,790	7,393	11,579	16,746	23,115
	kN	12.30	25.70	32.90	51.50	74.40	102.70
Thermal Expansion Coefficient	in/in °F(10 ⁻⁵)	3.19	1.81	1.45	0.90	0.57	0.35
	m/m °C(10 ⁻⁵)	5.74	3.26	2.61	1.62	1.03	0.63
OHTC @ ID	Btu/ ft ² hr °F	8.90					
	W/m ² K	50.54					
Flow Coefficient (Relative Roughness)	inch/inch	2.38E-05					
	mm/mm	2.38E-05					
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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