

Chemical Injection Line 2507 UNS S32750 0.500

Designation		Wall Thickness		Mass per Unit Length	Calculated Inside Diameter	Tubing Area (Sq.in)		Tube Load Body		Internal Pressure (psi)		Collapse Strength	Internal Capacity per 1000ft		Torsional Yield	
		Specified	Min			wpe	d	W/min.	Internal min.	Yield min	Tensile min					Hydro Test 90%
OD	WT	inch	inch	lb/ft	inch	inch ²	inch ²	lb	lb	psig	psig	psig	gal	bar	ft.lbs	
1/2	0.500	0.049	0.049	0.044	0.25	0.402	0.063	0.133	6,200	8,100	14,000	15,600	14,500	6.59	0.157	57
	0.500	0.065	0.065	0.059	0.31	0.370	0.081	0.115	8,000	10,300	18,300	20,300	18,600	5.58	0.133	70
	0.500	0.080	0.080	0.072	0.37	0.340	0.097	0.100	9,500	12,200	22,100	24,500	22,100	4.71	0.112	79

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Chemistry Composition

C,% 0.03 max Mn,% 1.20 max P,% 0.035 max S,% 0.020 max Si,% 0.80 max
Cr,% 24.0-26.0 Ni,% 6.00-8.00 Mo,% 3.00-5.00 N,% 0.24-0.32 Cu,% 0.50 max

Mechanical Properties

Tensile Strength: 116,000psi (800MPa) min
Yield Strength: 90,000psi (621MPa) min
Hardness: 300HBW or 32HRC max

Tensile strength & yield strength minimum are calculated on specified wall.
Other dimensions are available on request.

Jiangsu Tube Solution Co., Ltd.
The other coiled tubing supplier

Contact: sales@tubemfg.com