

Stainless Steel (inc. High Performance) - 1.4307 / 304L

Welded Tube 600 Grit Mirror Polished

Properties

Stock			Chemical Properties	
OD (in)	Gauge	Weight/m (Kg)	Element	Chemical Composition %
1/2	1.5	0.42	Carbon (C)	0.0 - 0.03
5/8	1.2	0.44	Chromium (Cr)	17.5 - 19.5
5/8	1.5	0.54	Manganese (Mn)	0.0 - 2.0
3/4	1.2	0.54	Silicon (Si)	0.0 - 1.0
3/4	1.5	0.66	Phosphorus (P)	0.0 - 0.05
3/4	2.0	0.85	Sulphur (S)	0.0 - 0.02
7/8	1.2	0.63	Nickel (Ni)	8.0 - 10.50
7/8	1.5	0.77	Iron (Fe)	Balance
7/8	2.0	1.00	Above properties are for 1.4307	
1	1.2	0.73	1.4307/304L also corresponds to the following designation 304S11	
1	1.5	0.90		
1 1/4	1.5	1.14		
1 1/2	1.2	1.17		
1 1/2	1.5	1.38		
1 1/2	2.0	1.81		
1 3/4	1.5	1.62		
2	1.5	1.85		
2	2.0	2.44		
2	3.0	3.59		
2 1/2	1.5	2.34		
3	1.5	2.81		
			Mechanical Properties	
			Property	Value
			Tensile Strength	500 to 670 MPa
			Elongation	45% min
			Compressive Strength	200 MPa
			Above properties are for 1.4307	
			1.4301/304 also corresponds to the following designation 304S11	
			Physical Properties	
			Property	Value
			Density	8.00 g/cm ³
			Melting Point	1450°C
			Thermal Expansion	17.2 x 10 ⁻⁶ /K
			Modulus of Elasticity	193 GPa
			Thermal Conductivity	16.2 W/m.K
			Electrical Resistivity	0.072 x 10 ⁻⁶ Ω.m
			1.4307/304L also corresponds to the following designation 304S11	

Disclaimer

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