

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

Metric ISO tube

Properties

Stock			Chemical Properties	
OD (mm)	Gauge	Weight/m (Kg)	Element	Chemical Composition %
28	1.5	0.99	Carbon (C)	0.0 - 0.03
38	1.5	1.37	Chromium (Cr)	17.5 - 19.5
43	1.5	1.56	Manganese (Mn)	0.0 - 2.0
44.5	2.0	2.13	Silicon (Si)	0.0 - 1.0
53	1.5	1.93	Phosphorus (P)	0.0 - 0.05
54	2.0	2.40	Sulphur (S)	0.0 - 0.02
69	2.0	3.35	Nickel (Ni)	8.0 - 10.50
83	1.5	3.06	Iron (Fe)	Balance
84	2.0	3.90	Above properties are for 1.4307	
103	1.5	3.81	1.4307/304L also corresponds to the following designation 304S11	
104	2.0	5.12		
129	2.0	6.36		
153	1.5	5.69		
154	2.0	7.61		
204	2.0	10.12		
206	3.0	15.25		
254	2.0	15.79		
256	3.0	19.01		
304	2.0	15.12	1.4301/304 also corresponds to the following designation 304S11	
355.6	3.0	26.49		
406.4	3.0	30.30		
508	3.0	37.94		
609.6	3.0	45.57		
			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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