

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

Plate

Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical Composition %
2500 x 1250 x 3.0	75.00	Carbon (C)	0.0 - 0.03
3000 x 1500 x 3.0	108.00	Chromium (Cr)	17.5 - 19.5
2000 x 1000 x 4.0	64.00	Manganese (Mn)	0.0 - 2.0
2500 x 1250 x 4.0	100.00	Silicon (Si)	0.0 - 1.0
3000 x 1500 x 4.0	144.00	Phosphorus (P)	0.0 - 0.05
4000 x 2000 x 4.0	256.00	Sulphur (S)	0.0 - 0.02
2000 x 1000 x 5.0	80.00	Nickel (Ni)	8.0 - 10.50
2500 x 1250 x 5.0	120.00	Iron (Fe)	Balance
3000 x 1500 x 5.0	180.00	Above properties are for 1.4307	
4000 x 2000 x 5.0	320.00	1.4307/304L also corresponds to the following designation 304S11	
2000 x 1000 x 6.0	96.00		
2500 x 1250 x 6.0	150.00	Mechanical Properties	
3000 x 1500 x 6.0	216.00	Property	Value
4000 x 2000 x 6.0	384.00	Tensile Strength	500 to 670 MPa
2000 x 1000 x 8.0	128.00	Elongation	45% min
2500 x 1250 x 8.0	200.00	Compressive Strength	200 MPa
3000 x 1500 x 8.0	288.00	Above properties are for 1.4307	
4000 x 2000 x 8.0	512.00	1.4307/304L also corresponds to the following designation 304S11	
2000 x 1000 x 10.0	160.00		
2500 x 1250 x 10.0	250.00	Physical Properties	
3000 x 1500 x 10.0	360.00	Property	Value
2500 x 1250 x 12.0	300.00	Density	8.00 g/cm ³
3000 x 1500 x 12.0	432.00	Melting Point	1450°C
2500 x 1250 x 15.0	389.00	Thermal Expansion	17.2 x 10 ⁻⁶ /K
3000 x 1500 x 20.0	747.00	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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