

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

CPP Plate

Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical Composition %
1D Finish		Carbon (C)	0.0 - 0.03
2000 x 1000 x 3.0	48.00	Chromium (Cr)	17.5 - 19.5
2500 x 1250 x 3.0	75.00	Manganese (Mn)	0.0 - 2.0
3000 x 1500 x 3.0	108.00	Silicon (Si)	0.0 - 1.0
2000 x 1000 x 4.0	64.00	Phosphorus (P)	0.0 - 0.05
2500 x 1250 x 4.0	100.00	Sulphur (S)	0.0 - 0.02
3000 x 1500 x 4.0	144.00	Nickel (Ni)	8.0 - 10.50
2000 x 1000 x 5.0	80.00	Iron (Fe)	Balance
2500 x 1250 x 5.0	125.00	Above properties are for 1.4307	
3000 x 1500 x 5.0	180.00	1.4307/304L also corresponds to the following designation 304S11	
4000 x 2000 x 5.0	320.00		
2000 x 1000 x 6.0	96.00	Mechanical Properties	
2500 x 1250 x 6.0	150.00	Property	Value
3000 x 1500 x 6.0	216.00	Tensile Strength	500 to 670 MPa
4000 x 2000 x 6.0	384.00	Elongation	45% min
2000 x 1000 x 8.0	128.00	Compressive Strength	200 MPa
2500 x 1250 x 8.0	200.00	Above properties are for 1.4307	
3000 x 1500 x 8.0	288.00	1.4301/304 also corresponds to the following designation 304S11	
4000 x 2000 x 8.0	512.00		
2000 x 1000 x 10.0	160.80	Physical Properties	
2500 x 1250 x 10.0	250.00	Property	Value
3000 x 1500 x 10.0	360.00	Density	8.00 g/cm ³
4000 x 2000 x 10.0	640.00	Melting Point	1450°C
6000 x 2000 x 10.0	960.10	Thermal Expansion	17.2 x 10 ⁻⁶ /K
2500 x 1250 x 12.0	300.00	Modulus of Elasticity	193 GPa
3000 x 1500 x 12.0	432.00	Thermal Conductivity	16.2 W/m.K
4000 x 2000 x 12.0	785.00	Electrical Resistivity	0.072 x 10 ⁻⁶ Ω.m
2500 x 1250 x 15.0	384.00	1.4307/304L also corresponds to the following designation 304S11	
3000 x 1500 x 15.0	554.00		
2500 x 1250 x 20.0	513.00		
3000 x 1500 x 20.0	738.00		

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