

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

Sheet BA Finish

Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical Composition %
2000 x 1000 x 0.4	6.40	Carbon (C)	0.0 - 0.03
2000 x 1000 x 0.5	8.00	Chromium (Cr)	17.5 - 19.5
2500 x 1250 x 0.5	9.60	Manganese (Mn)	0.0 - 2.0
2000 x 1000 x 0.6	11.20	Silicon (Si)	0.0 - 1.0
2500 x 1250 x 0.6	12.80	Phosphorus (P)	0.0 - 0.05
2000 x 1000 x 0.7	14.40	Sulphur (S)	0.0 - 0.02
2500 x 1250 x 0.7	16.00	Nickel (Ni)	8.0 - 10.50
2000 x 1000 x 0.8	19.20	Iron (Fe)	Balance
2500 x 1250 x 0.8	24.00	Above properties are for 1.4307	
2000 x 1000 x 0.9	32.00	1.4307/304L also corresponds to the following designation 304S11	
2500 x 1250 x 0.9	12.50		
2000 x 1000 x 1.0	15.00		
2500 x 1250 x 1.0	17.50		
2000 x 1000 x 1.2	20.00		
2500 x 1250 x 1.2	22.50		
2000 x 1000 x 1.5	25.00		
2500 x 1250 x 1.5	30.00		
2000 x 1000 x 2.0	37.50		
2500 x 1250 x 2.0	50.00		
		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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