

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

## Treadplate

Stock	
Thickness on base (mm)	Weight/Plate (Kg)
3000 x 1000 x 3.0	80.00
3000 x 1250 x 3.0	97.00
3000 x 1250 x 4.5	143.00
3000 x 1250 x 6.0	180.00

## Properties

Chemical Properties	
Element	Chemical Composition %
Carbon (C)	0.0 - 0.03
Chromium (Cr)	17.5 - 19.5
Manganese (Mn)	0.0 - 2.0
Silicon (Si)	0.0 - 1.0
Phosphorus (P)	0.0 - 0.05
Sulphur (S)	0.0 - 0.02
Nickel (Ni)	8.0 - 10.50
Iron (Fe)	Balance
Above properties are for 1.4307	
1.4307/304L also corresponds to the following designation 304S11	

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 <sup>3</sup>
Melting Point	1450°C
Thermal Expansion	17.2 x 10 <sup>-6</sup> /K
Modulus of Elasticity	193 GPa
Thermal Conductivity	16.2 W/m.K
Electrical Resistivity	0.072 x 10 <sup>-6</sup> Ω.m
1.4307/304L also corresponds to the following designation 304S11	

## Disclaimer

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