

1.4307 / 304L

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 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

Product Forms

45 deg L/R Elbow

600 Grit Mirror Polished

90 deg L/R Elbows

90 deg L/R Elbows

Angle

Box Section Dull Polished

Box Section Unpolished

BS10

BS4504

Concentric Reducers

Concentric Reducers

CPP Plate

Eccentric Reducers

End Caps

Equal Tees

Equal Tees

Flat Bar

Glass Clamp sets

Handrail Dull Polish

Hygienic fittings

Hygienic Welded Tube

Metric ISO tube

Ornamental Square

Plate

R/F Slip on & Blind

Rectangular Section Dull Polished

Rectangular Section Unpolished

Reducing Tees

RF Weld Neck

Round Bar

Satin Polish 320 Grit

Seamless Pipe

Seamless Tube

Sheet 2B Finish

Sheet BA finish

Sheet Circle Polish

Sheet Dull Polish 240S

Sheet No8 Marine

Square Bar

Stub Ends

Treadplate

Welded Pipe

Disclaimer

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