

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

Glass Clamp Sets

Properties

Stock			Chemical Properties	
OD (mm)	Form	Finish	Element	Chemical Composition %
For 48.3 & 50.8mm tube and box section			Carbon (C)	0.0 - 0.03
			Chromium (Cr)	17.5 - 19.5
45 x 63 x 26	Tube	Satin & mirror polish	Manganese (Mn)	0.0 - 2.0
			Silicon (Si)	0.0 - 1.0
45 x 63 x 26	Box section	Satin polish	Phosphorus (P)	0.0 - 0.05
Also available in 316			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				

Disclaimer

This data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

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