



Adinath

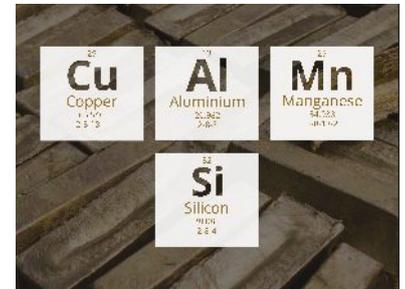
Create, Enhance & Sustain

C-65100 : SILICON BRONZE

Specification Sheet

DESCRIPTION

C65100 is known as Low Silicon Bronze which is one of the most weldable copper alloys. C65100 is noted for its strength, corrosion resistance, electrical properties and brazeability.



CHEMICAL COMPOSITION

Element	Cu	Fe	Mn	Zn	Pb	Si
Min (%)	Balance	-	-	-	-	0.80
Max (%)		0.80	0.70	1.50	0.05	2.00

Note : Ni includes Co; Cu+ named elements >= 99.5%; Unless otherwise noted, single values represent maximums.

COMPARATIVE SPECIFICATIONS

CDA: C65100	ASTM: B98, B98M
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Excellent	30

TYPICAL USES

Product Category	Product	Reason
	Conduit, Motor, Rotor Bars, Pole Line Hardware.	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance, High Strength, Solderability, Brazability, Moderate Strength.

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Product Category	Product	Reason
 <p>Fasteners</p>	<p>Bolts, Cable Clamps, Cap Screws, Fasteners, Machine Screws, Nuts, Rivets, Screws, U Bolts</p>	<p>Corrosion Resistance, Corrosion Resistance to Fresh Water, Corrosion Resistance to Salt Water, High Strength, Excellent Formability, Electrical Conductivity, Formability.</p>
 <p>Industrial</p>	<p>Heat Exchanger Tube, Hydraulic Pressure Lines, Oil Refinery Plumbing Tube, Welding Rod.</p>	<p>Corrosion Resistance, Corrosion Resistance to Fresh Water, Corrosion Resistance to Salt Water, Excellent Formability, High Strength, Weldability, Excellent Formability, Resistance to Stress Relaxation, Corrosion Resistance to Petrochemicals, Moderate Strength, Electrical Conductivity, Thermal Conductivity, Oxidation Resistance, Resistance to Thermal Softening.</p>
 <p>Marine</p>	<p>Hardware.</p>	<p>Corrosion Resistance, Corrosion Resistance to Fresh Water, Corrosion Resistance to Salt Water, High Strength.</p>

PACKING

ADINATH manufactures wide range of copper Alloys in the form of **Certified Ingots** weighing from 8-10 kgs each.

Standard Packaging of **1 Metric Ton** in Wooden Pallet.



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VALUE ADDED SERVICES

Casting Range



25 Grams to 10 Kgs

Forging Sizes



50 Grams to 6 Kgs

Machining Sizes



1 mm to 200 mm

CONNECT WITH US Adinath Extrusion Pvt. Ltd.

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