



Adinath

Create, Enhance & Sustain

C95500 : NICKEL ALUMINIUM BRONZE

Specification Sheet

DESCRIPTION

C95500 Alloy comes with an added amount of Iron and Nickel which makes it one of the toughest Non-Ferrous alloys known. This alloy exhibits exceptional yield, compressive strength, high hardness and fairly high elongation. The presence of Nickel in C95500 makes it a perfect choice for heavy duty applications involving abrasion, wear and fatigue.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Mn
Min (%)	78.00	10.00	3.00	3.00	-
Max (%)	-	11.50	5.00	5.50	3.50

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

COMPARATIVE SPECIFICATIONS

CDA : 95500	CuAl10Fe5Ni5	BS : 1400 AB2	OTHERS : ALUMINIUM BRONZE
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Good	Fair	50

CASTING CHARACTERISTICS

Casting Attribute	Level
Casting Yield	Low
Drossing	High
Fluidity	Medium
Gassing	Medium

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TYPICAL USES

Product Category	Product	Reason
 <p>Builders Hardware</p>	Window Hardware.	Appearance, Excellent Machinability, High Strength, Corrosion Resistance (Excellent).
 <p>Consumer</p>	Musical Instruments, Piano Keys.	Appearance, Corrosion Resistance (Excellent), Wear Resistance, Excellent Machinability, Resonant Frequency, Damping Capacity, High Strength.
 <p>Electrical</p>	Electrical Hardware.	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance (Excellent), High Strength.
 <p>Fasteners</p>	Stuffing Box Nuts.	Corrosion Resistance (Excellent), Wear Resistance, High Strength.
 <p>Industrial</p>	Air Craft Components, Bearings, Gears, Glands, Hand Gun Recoil Mechanisms, Hot Mill Guides, Landing Gear Parts, Machine Parts, Pickling Equipment, Piston Guides, Pump Fluid Ends, Sewage Treatment Applications, Valve Bodies, Valve Components, Valve Guides, Wear Plates, Welding Jaws, Worms, Worms Wheels.	Corrosion Resistance (Excellent), Wear Resistance, High Strength, Retains Strength at Elevated Temperatures, Toughness, Fatigue Properties, Thermal Conductivity, Good Machinability.
 <p>Marine</p>	Covers for marine hardware, marine applications, marine hardware, ship building.	Appearance, Corrosion Resistance (Excellent), Corrosion Resistance to Salt Water, High Strength, Wear Resistance, Good Machinability.
 <p>Ordnance</p>	Government Fittings.	Corrosion Resistance (Excellent), High Strength, Toughness.

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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.



VALUE ADDED SERVICES

Casting Range



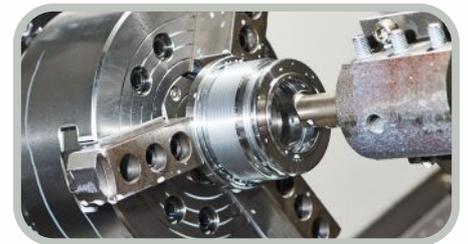
25 Grams to 10 Kgs

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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