



Adinath

Create, Enhance & Sustain

C-95200 Aluminium Bronze

Specification Sheet

DESCRIPTION

C95200 commonly known as CuAl10Fe2 Alloy comes with an addition of Iron which acts as a grain refiner and gives extra strength. This Alloy has medium strength and good corrosion resistance in sea water.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe
Min (%)	86.00	8.50	2.50
Max (%)	-	9.50	4.00

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

COMPARATIVE SPECIFICATIONS

CuAl9Fe3	SAE J461	BS1400: AB1	CC331G
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Good	Good	20

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>Electrical</p>	Electrical Hardware.	Thermal Conductivity, Corrosion Resistance (Excellent), High Strength.
 <p>Fasteners</p>	Stuffing Box Nuts.	Corrosion Resistance (Excellent), Machinability Good, High Strength.
 <p>Industrial</p>	Acid Resistant Pumps, Bearing Liners, Bearings, Bushings, Gears, High Strength Clamps, Hot Mill Guides, Hydrant Parts, Large Gear Parts, Mild Alkali Applications, Pickling Equipment, Pickling Tanks, Plungers, Pump Parts, Thrust Pads, Valve Bodies, Valve Seats, Valves, Wear Plates, Welding Jaws, Worm Wheels, Worms.	Corrosion Resistance (Excellent), Corrosion Resistance to Acids, Corrosion Resistance to Fresh Water, Corrosion Resistance to Saline Solutions, Wear Resistance, Machinability Good, High Strength, Thermal Conductivity, Retains Strength at Elevated Temperatures, Corrosion Resistance to Brackish Water.
 <p>Marine</p>	Covers for Marine Hardware, Marine Engines, Marine Hardware, Propellers.	Appearance, Corrosion Resistance (Excellent), Corrosion Resistance to Fresh Water, Corrosion Resistance to Salt Water, High Strength, Corrosion Resistance to Brackish Water, Wear Resistance, Fatigue Properties, Corrosion Resistance to Saline Solutions, Retains Strength at Elevated Temperatures.
 <p>Ordnance</p>	Gun Mountings, Gun Slides.	Corrosion Resistance (Excellent), Wear Resistance, High Strength.

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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



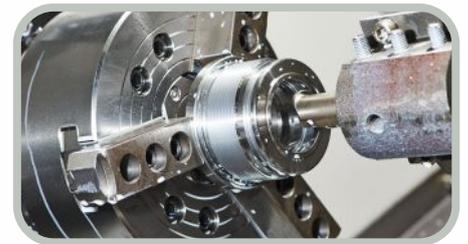
25 Grams to 10 Kgs

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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