



Adinath

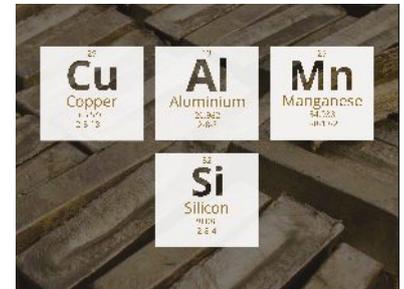
Create, Enhance & Sustain

C-64200 : SILICON BRONZE

Specification Sheet

DESCRIPTION

C64200 alloy is a type of Aluminium Silicon Bronze alloy which comes with a combination of self-lubricity of Silicon along with higher mechanical properties of Aluminium Bronze. It is recognized for its higher strength, anti-corrosive abilities and ease of machinability.



CHEMICAL COMPOSITION

| Element | Cu | Al | Fe | Ni | Mn | Zn | Pb | Sn | Si | As |
|---------|---------|------|------|------|------|------|------|------|------|------|
| Min (%) | Balance | 6.30 | - | - | - | - | - | - | 1.50 | - |
| Max (%) | | 7.60 | 0.30 | 0.25 | 0.10 | 0.50 | 0.05 | 0.20 | 2.20 | 0.09 |

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

COMPARATIVE SPECIFICATIONS

| | | | |
|-------------|-------------------|-----------------|-----------|
| CDA: C64200 | ASTM: B150, B150M | SAE: J461, J463 | AMS: 4634 |
|-------------|-------------------|-----------------|-----------|

FABRICATION PROPERTIES

| Soldering | Brazing | Machinability Rating |
|-----------------|---------|----------------------|
| Not Recommended | Fair | 60 |

TYPICAL USES

| Product Category | Product | Reason |
|--|----------------------------------|---|
|  AUTOMOTIVE | Valve Guides, Automobile Engine. | Corrosion Resistance, Galling Resistance, Wear Resistance, High Strength. |

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| Product Category | Product | Reason |
|---|---|--|
|  <p>Electrical</p> | Pole Line Hardware. | Electrical Conductivity, Corrosion Resistance, Wear Resistance, Machinability, Non-Magnetic. |
|  <p>Fasteners</p> | Bolts , Nuts. | Corrosion Resistance, Good Machinability, High Strength, Formability. |
|  <p>Industrial</p> | Cams, Gears, Valve Bodies, Valve Components, Valve Stems. | Corrosion Resistance, Wear Resistance, Good Machinability, High Strength, Non-Magnetic, Formability. |
|  <p>Marine</p> | Hardware. | Corrosion Resistance, Formability, Good Machinability, High Strength. |

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.

Plot No. 4051-4055,
Bhagwan Mahavir Swami Marg,
G.I.D.C., Phase-III, Dared,
Jamnagar - 361004, Gujarat, India.

+91 7600 55 9243 +91 288 2730868
sales@adinathextrusion.com,
marketing@adinathextrusion.com
www.adinathextrusion.com

