



Adinath

Create, Enhance & Sustain

C-69700 : SILICON BRASS

Specification Sheet

DESCRIPTION

Silicon Brasses are part of the subgroup of high strength brasses. Silicon Brass castings exhibit moderate strength and very good aqueous and atmospheric corrosion resistance. The conductivity of the silicon brasses is much less than that of unalloyed copper. They are also known as Silicon Red Brasses.



CHEMICAL COMPOSITION

| Element | Cu | Fe | Mn | Zn | Pb | Si |
|---------|-------|------|------|---------|------|------|
| Min (%) | 75.00 | - | - | Balance | 0.50 | 2.50 |
| Max (%) | 80.00 | 0.20 | 0.40 | | 1.50 | 3.50 |

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

COMPARATIVE SPECIFICATIONS

| | |
|-------------|-------------------|
| CDA: C69700 | ASTM: B371, B371M |
|-------------|-------------------|

FABRICATION PROPERTIES

| Soldering | Brazing | Machinability Rating |
|-----------|---------|----------------------|
| - | - | 70 |

TYPICAL USES

| Product Category | Product | Reason |
|---|--------------|---|
|  Industrial: | Valve Stems. | Corrosion Resistance, Dezincification Resistance, High Strength, Machinability. |

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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



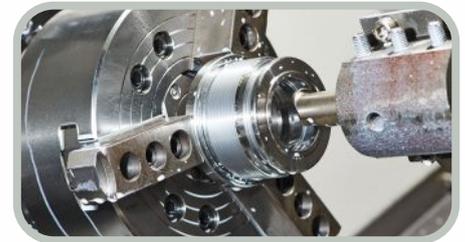
25 Grams to 10 Kgs

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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