



Adinath

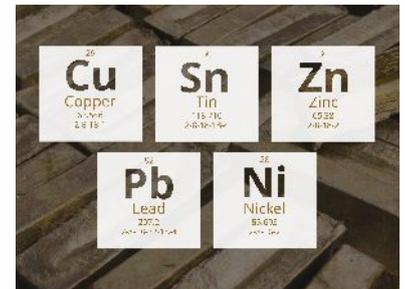
Create, Enhance & Sustain

RG-5:GUN METAL/RED BRASS/BRONZE

Specification Sheet

DESCRIPTION

Gun Metal commonly referred as Red Brass in USA, is an alloy of Copper, Zinc, Tin and Lead. In quantitative terms, this alloy is the largest application group of tin bronze family. Since ancient history, it has found a prominent place due to the ease of casting, good strength and corrosion resistance. The lead content improves the machining and gliding properties along with increased pressure tightness while Zinc improves its castability. Gun Metal is ideal for universal use and can be combined as required with all known installation materials like Copper, Steel and Plastic.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Mn	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	84.00	-	-	-	-	4.00	4.00	4.00	-	-	-	-
Max (%)	86.00	0.01	0.20	2.00	0.10	6.00	6.00	6.00	0.01	0.06	0.25	0.03

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

COMPARATIVE SPECIFICATIONS

C83600	LG2	LTB2	CuSn5Pb5Zn5
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	84

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TYPICAL USES

Product Category	Product	Reason
 <p>Architecture</p>	Ornamental Fixtures.	Appearance, Castability, Corrosion Resistance, Moderate Strength.
 <p>Builders Hardware</p>	Hardware.	Appearance, Corrosion Resistance, Moderate Strength.
 <p>Building</p>	Cooling Equipment, Heating Equipment, Lightning Protection, Trowels for Cement Working.	Thermal Conductivity, Corrosion Resistance, Moderate Strength, Electrical Conductivity, Oxidation Resistance, Wear Resistance.
 <p>Electrical</p>	Electrical Equipment, Electrical Hardware, Switches.	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance, Moderate Strength, Corrosion Resistance to Fresh Water.
 <p>Fasteners</p>	Large Hold Down Screws.	Corrosion Resistance, Good Machinability, Moderate Strength.
 <p>Industrial</p>	Air Actuators, Bearing Segments for Steel Industry, Bearings, Bushings, Couplings, Furnaces, Handles for Dental Equipment, Impellers, Low Pressure Valves, Pressure Blocks for Steel Industry, Printing Presses, Pump Fixtures, Pump Parts, Pumps, Rings, Small Gears, Transducer Housings, Valve Bodies, Valve Bodies for the Water Meter Industry, Valves, Valves for the Water Meter Industry.	Corrosion Resistance, Good Machinability, Moderate Strength, Pressure Tight, Wear Resistance, Thermal Conductivity, Appearance, Ductility.
 <p>Marine</p>	Marine Products, Parts for Boats.	Corrosion Resistance, Corrosion Resistance to Salt Water, Wear Resistance, Moderate Strength, Corrosion Resistance to Salt Water.
 <p>Plumbing</p>	Faucets, Fixtures, Pipe Fittings.	Appearance, Corrosion Resistance, Moderate Strength, Wear Resistance.

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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



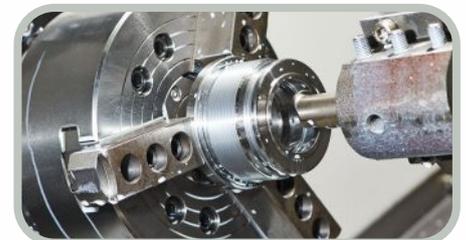
 25 Grams to 10 Kgs

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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