

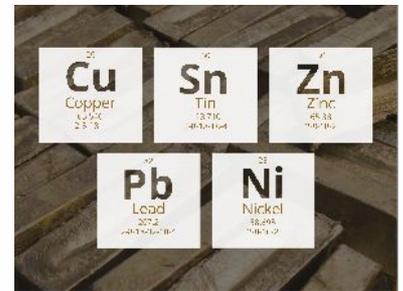


Adinath
Create, Enhance & Sustain

C-83600 Gun Metal/Red Brass/Bronze Specification Sheet

DESCRIPTION

C83600 is a leaded brass alloy also known as 85 metal or 85/5/5/5. C83600 is the widely used alloy from this family because of the high ductility, good casting qualities and ease of machining. The good thermal and electrical conductivity, good corrosion resistance makes it ideal for sea water pumps and ship components, working under low loads.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	84.00	-	-	-	4.00	4.00	4.00	-	-	-	-
Max (%)	86.00	0.005	0.30	1.00	6.00	6.00	6.00	0.005	0.08	0.25	0.05

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

COMPARATIVE SPECIFICATIONS

LG2	LTB2	85/5/5/5 Bronze	CuSn5Pb5Zn5
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	84

CASTING CHARACTERISTICS

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

C-83600 Gun Metal/Red Brass/Bronze



TYPICAL USES

Product Category	Product	Reason
 Architecture	Ornamental Fixtures.	Appearance, Castability, Corrosion Resistance, Moderate Strength.
 Builders Hardware	Hardware.	Appearance, Corrosion Resistance, Moderate Strength.
 Building	Cooling Equipment, Heating Equipment, Lightning Protection, Trowels for Cement Working.	Thermal Conductivity, Corrosion Resistance, Moderate Strength, Electrical Conductivity, Oxidation Resistance, Wear Resistance.
 Electrical	Electrical Equipment, Electrical Hardware, Switches.	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance, Moderate Strength, Corrosion Resistance to Fresh Water.
 Fasteners	Large Hold Down Screws.	Corrosion Resistance, Good Machinability, Moderate Strength.
 Industrial	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.
 Marine	Marine Products, Parts for Boats.	Corrosion Resistance, Corrosion Resistance to Salt Water, Wear Resistance, Moderate Strength, Corrosion Resistance to Salt Water.
 Plumbing	Faucets, Fixtures, Pipe Fittings.	Appearance, Corrosion Resistance, Moderate Strength, Wear Resistance.



C-83600 Gun Metal/Red Brass/Bronze

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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