



Adinath

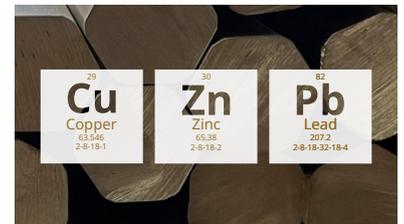
Create, Enhance & Sustain

CW612N:FORGING BRASS

Specification Sheet

DESCRIPTION

CW612N is an high copper content alloy which has excellent hot deformability characteristic and good combination of strength and corrosion resistance. Commonly known as engraving brass, it has excellent free cutting properties due to the addition of lead. It is recommended where high flow smoothness is required along with further machining.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Oi
Min (%)	59.00	-	-	-	Balance	1.60	-	-
Max (%)	60.00	0.05	0.30	0.30		2.50	0.30	0.20

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

SHAPE



SOLID ROUND BARS

Size Range :
Dia 10 mm up to 120 mm.



SOLID HEX BARS

Size Range :
A/F 10 mm up to 100 mm.



SOLID SQUARE BARS

Size Range :
A/F 10 mm up to 90 mm.



SOLID RECTANGLE BARS

Size Range :
A/F 8 x 10 mm up to 100 x 50 mm.



HOLLOW BARS

Outer Diameter : In Round, Hex & Square.

Size Range : 30 mm up to 120 mm.

Inner Diameter : Round

Size Range : 20 mm up to 80 mm.



PROFILES & SECTIONS

As per Customers' Drawing.



BAR LENGTH

Length : Up to 4 Meters

Delivery Condition : As Extruded or Cold Drawn.

STRAIGHT KNURLING



CROSS KNURLING



Straight Knurling & Cross Knurling will be available upon shape & size Feasibility of Brass Rod

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MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
Over 2 to 40 Inclusive	410	230	12	-
Hex (A/F)				
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
Over 2 to 35 Inclusive	410	230	12	-
Square (A/F)				
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
Over 2 to 35 Inclusive	410	230	12	-

PACKING



-  PVC Pipe Packing for Small Diameter Rods.
-  Hessian Cloth Packing.
-  Wooden Box Packing as per Customer requirements.

FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	80

TYPICAL USES

Product Category	Product
Builders Hardware	Decorative Knobs, Door Handles, Furniture Hardware.
Builders	Valve Bodies for Refrigeration, Chemicals.
Consumer	Golf Putter, Valve Bodies for Agricultural Spray Tanks, Valve Bodies for Scuba & Propane Spray Tanks.
Electrical	Covers, Fuse Bodies.
Industrial	Forgings and Pressings of All Kinds, Valve Components.

CW612N:FORGING BRASS



VALUE ADDED SERVICES

AEPL manufactures and supplies Copper Alloys Extruded Bars to Domestic as well as International Markets. Our customer base has a key advantage since our Foundries, Laboratories, Extrusion Mill, Shell Mouldings and CNC Machine shop are all located on a single site, which eliminates waste and allows excellent quality control at each stage. Our ability to reclaim swarf and machined chips allows us to offer competitive pricing for the parts that we either extrude or cast.

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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