



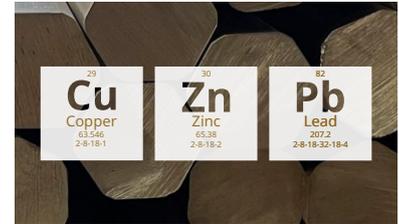
Adinath
Create, Enhance & Sustain

CuZn40Pb2:FORGING BRASS

Specification Sheet

DESCRIPTION

CuZn40Pb2 is one of the most common and preferred grade used in the Forging Industry. Also known as Stamping Brass, it has excellent capacity for Hot forming and is easy to machine where high quality surface can be achieved. CuZn40Pb2 also exhibits good resistance against corrosion. All these properties makes it an excellent choice to produce complex hot pressed components.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Oi
Min (%)	57.00	-	-	-	Balance	1.60	-	-
Max (%)	59.00	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 5 mm up to 120 mm.



SOLID HEX BARS
Size Range :
A/F 5 mm up to 100 mm.



SOLID SQUARE BARS
Size Range :
A/F 5 mm up to 90 mm.



SOLID RECTANGLE BARS
Size Range :
A/F 6 x 8 mm up to 100 x 50 mm.



HOLLOW BARS
Outer Diameter : In Round, Hex & Square.
Size Range : 24 mm up to 120 mm.
Inner Diameter : Round
Size Range : 12 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

CuZn40Pb2:FORGING BRASS



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		430	220	10	-
Hex (A/F)					
Range (mm)		UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
Over 2 to 35 Inclusive		430	220	10	-
Square (A/F)					
Range (mm)		UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
Over 2 to 35 Inclusive		430	220	10	-
Rectangle					
Range (mm)		UTS Min (N/MM ²)	PS Min	Elongation Min (%)	Hardness (HRB)
Thickness	Over 3 to 40 Inclusive	430	220	10	-

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	Fair	95

TYPICAL USES

Product Category	Product
Builders	Builders Hardware, Butts, Hinges.
Architecture	Architectural Sections, Door Frames, Thresholds, Window Frames.

CuZn40Pb2: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.

 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

