



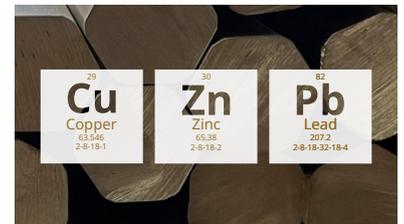
Adinath

Create, Enhance & Sustain

C-37100:LEADED BRASS Specification Sheet

DESCRIPTION

Leaded brasses set the standard by which the machinability of other materials is judged and is also available in a very wide variety of product forms and sizes to allow minimum machining to finished dimensions. Leaded brass is used for its excellent machinability, good strength and atmospheric corrosion resistance. While all brasses are intrinsically easy to machine, the addition of small amounts of lead to brasses further improves this property.



CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Oi
Min (%)	58.00	-	Balance	0.60	-
Max (%)	62.00	0.15		1.20	0.40

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

SHAPE



SOLID ROUND BARS

Size Range :
Dia 8 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 10 x 12 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

C-37100: LEADED BRASS



MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 2 to 12 Inclusive	430	190	10	-
Over 12 to 25 Inclusive	380	180	12	-
Over 25 to 50 Inclusive	330	165	20	-
Over 50 to 75 Inclusive	310	135	25	-
Hex (A/F)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 3 to 12 Inclusive	430	190	10	-
Over 12 to 25 Inclusive	380	180	12	-
Over 25 to 50 Inclusive	330	165	20	-
Over 50 to 60 Inclusive	310	135	25	-
Square (A/F)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 3 to 12 Inclusive	430	190	10	-
Over 12 to 25 Inclusive	380	180	12	-
Over 25 to 50 Inclusive	330	165	20	-
Over 50 to 60 Inclusive	310	135	25	-

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	70

C-37100:LEADED BRASS



TYPICAL USES

Product Category	Product
Builders Hardware	Decorative Knobs, Furniture Hardware.
Builders	Valve Bodies for Refrigeration, Chemicals.
Industrial	Golf Putter.
Consumer	Automatic Screw Machine Parts.

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



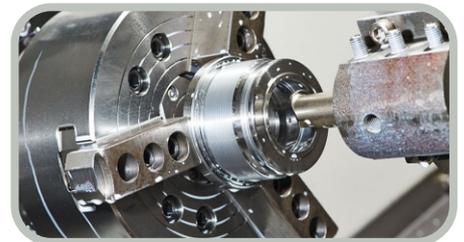
 25 Grams to 10 Kgs

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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