



Adinath

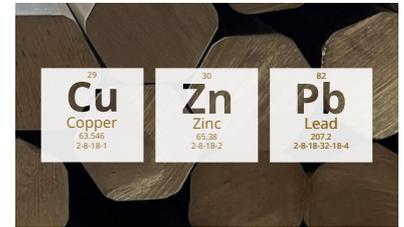
Create, Enhance & Sustain

CW611N:LEADED BRASS

Specification Sheet

DESCRIPTION

CW611N is also known as Bending Brass or low leaded brass with a fine dispersion of lead particles. Higher copper content gives good mechanical properties in the form of strength, ductility and corrosion resistance.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	OI
Min (%)	59.00	-	-	-	Balance	0.80	-	-
Max (%)	60.00	0.05	0.30	0.30		1.60	0.20	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 8 mm up to 120 mm



SOLID RECTANGLE BARS

Size Range :
A/F 10 x 12 mm up to 100 x 50 mm



SOLID HEX BARS

Size Range :
A/F 10 mm up to 100 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



SOLID SQUARE BARS

Size Range :
A/F 10 mm up to 90 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	70

TYPICAL USES

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

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VALUE ADDED SERVICES

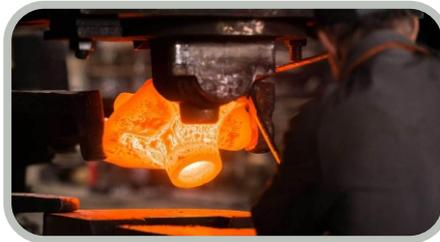
AEPL manufactures and supplies Copper Alloys Extruded Bars to Domestic as well as International Markets. Our customer base has a key advantage since our Foundries, Laboratories, Extrusion Mill, Shell Mouldings and CNC Machine shop are all located on a single site, which eliminates waste and allows excellent 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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