



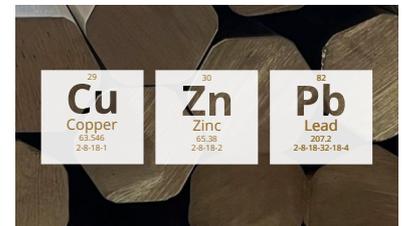
Adinath

Create, Enhance & Sustain

C-35300:LEADED BRASS Specification Sheet

DESCRIPTION

C35300 a Medium Leaded Brass exhibits a variety of characteristics that make it suitable for different manufactured parts and products. The alloy is used in applications requiring a combination of machining and forming operations, without annealing.



CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Oi
Min (%)	60.00	-	Balance	1.50	-
Max (%)	63.00	0.15		2.50	0.50

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-35300:LEADED BRASS



MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 2 to 12 Inclusive	395 - 555	170	7	60 - 80
Over 12 to 25 Inclusive	380 - 485	170	10	50 - 75
Over 25 to 75 Inclusive	345 - 425	140	15	40 - 70
Hex (A/F)				
Range (mm)	UTS (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 3 to 12 Inclusive	395 - 555	170	7	60 - 80
Over 12 to 25 Inclusive	380 - 485	170	10	50 - 75
Over 25 to 70 Inclusive	345 - 425	140	15	40 - 70
Square (A/F)				
Range (mm)	UTS (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 3 to 12 Inclusive	395 - 555	170	7	60 - 80
Over 12 to 25 Inclusive	380 - 485	170	10	50 - 75
Over 25 to 60 Inclusive	345 - 425	140	15	40 - 70

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	90

C-35300:LEADED BRASS



TYPICAL USES

Product Category	Product
Builders Hardware	Drawer Handles, Drawer Pulls, Hinges.
Consumer	Bicycle Spoke Nipples, Clock and Watch Parts, Clock Plates and Nuts, Key Blanks.
Fasteners	Nuts, Rivets, Screws.
Industrial	Adapters, Automatic Screw Machine Parts, Bearing Cages, Channel Plate, Couplings, Flare Fittings, Gears, Instrument Backs, Pinions, Ratchets, Valve Stems, Wheels.
Others	Engravers Plate.
Plumbing	Faucet Seats, Pipe Fittings, Plumbers' Brass Goods, Plumbers Fittings.

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



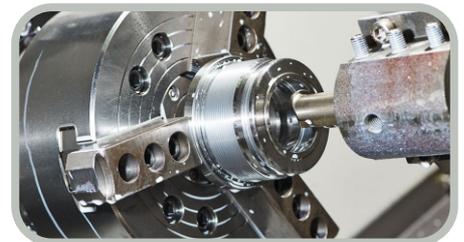
25 Grams to 10 Kgs

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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