



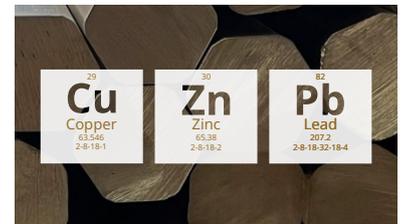
Adinath

Create, Enhance & Sustain

C-35330:LEADED BRASS Specification Sheet

DESCRIPTION

UNS C35330 high leaded brass alloys are one of the types of brass, which have free-machining feature with good formability. UNS C35330 is dezincification resistant and good for use in acid waters. The alloy also known as Arsenical Brass, possess a machinability of 100% and can also protect against corrosion.



CHEMICAL COMPOSITION

Element	Cu	Zn	Pb	As	Oi
Min (%)	59.50	Balance	1.50	0.02	-
Max (%)	64.00		3.50	0.25	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 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-35330:LEADED BRASS



MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS Min (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 Min (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 Min (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.

TYPICAL USES

Product Category	Product
Plumbing	Plumbers' Brass Goods, Plumbing Fittings.

C-35330:LEADED 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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