

# Material: ISO 4382 CuPb9Sn5

## Standard Specification for Cast Copper Alloys

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ISO 4382 Cast Copper Alloys

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Casting

Chemical Composition		
Aluminium	Al %	0.010 max.
Iron	Fe %	0.250 max.
Manganese	Mn %	0.200 max.
Nickel	Ni %	2.000 max.
Phosphorus	P %	0.100 max.
Lead	Pb %	8.000 - 11.000
Sulphur	S %	0.100 max.
Antimony	Sb %	0.500 max.
Silicon	Si %	0.010 max.
Tin	Sn %	4.000 - 6.000
Zinc	Zn %	2.000 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	160 - 230
Yield Strength in Mpa	60 - 130
Elongation in %	5 - 9
Reduction of Area in %	-
Hardness in HB	55 - 250
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LB4	BS	British	Casting
935B	AS	Australia	Ingot and Casting
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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