

# Material: BSI BS1400 LB4 CuSn5Pb9

## Standard Specification for Copper Alloy and High Conductivity Conductivity Copper Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** BSI BS1400 Copper Alloy and High Conductivity Conductivity Copper Casting

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

**Belongs to the Industry:** Casting

Chemical Composition		
Tin	Sn %	4.000 - 6.000
Zinc	Zn %	2.000 max.
Lead	Pb %	8.000 - 10.000
Phosphorus	P %	0.100 max.
Nickel	Ni %	2.000 max.
Iron	Fe %	0.250 max.
Aluminium	Al %	0.010 max.
Manganese	Mn %	0.200 max.
Antimony	Sb %	0.500 max.
Silicon	Si %	0.020 max.
Sulphur	S %	0.100 max.
Other	Ot%	0.500 max.
Copper	Cu %	Balance
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	160 min.
Yield Strength in Mpa	60 min.
Elongation in %	7 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
935B	AS	Australia	Ingot and Casting
C93500	AS	Australia	Ingot and Casting
CuPb9Sn5	ISO	International	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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