

# Material: BSI BS1400 LB 1 CuPb15Sn9

## 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:** Ingot and Casting

Chemical Composition			Heat Treatment	
Tin	Sn %	8.000 - 10.000	As-Cast	
Zinc	Zn %	1.000 max.		
Lead	Pb %	13.000 - 17.000		
Phosphorus	P %	0.100 max.		
Nickel	Ni %	2.000 max.		
Antimony	Sb %	0.500 max.		
Silicon	Si %	0.020 max.		
Sulphur	S %	0.100 max.		
Other	Ot%	0.300 max.		
Copper	Cu %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	170 min.
-	-	-	Yield Strength in Mpa	80 min.
-	-	-	Elongation in %	4 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuPb15Sn8	ISO	International	Ingot and Casting
CuPb15Sn8	UNI	Italy	Ingot and Casting
CuPb15Sn8	KS	Korea	Ingot and Casting
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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)