

## Material: BSI BS1400 LPB1 CuSn7PbP

### 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			Heat Treatment	
Tin	Sn %	6.500 - 8.500	As-Cast	
Zinc	Zn %	2.000 max.		
Lead	Pb %	2.000 - 5.000		
Phosphorus	P %	0.300 min.		
Nickel	Ni %	1.000 max.		
Antimony	Sb %	0.250 max.		
Sulphur	S %	0.100 max.		
Other	Ot%	0.500 max.		
Copper	Cu %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	190 min.
-	-	-	Yield Strength in Mpa	80 min.
-	-	-	Elongation in %	3 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuSn8Pb2	ISO	International	Casting
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