

# Material: BSI BS1400 PB2 CuSn11PbP

## 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 %	11.000 - 13.000
Zinc	Zn %	0.300 max.
Lead	Pb %	0.500 max.
Phosphorus	P %	0.150 - 0.600
Nickel	Ni %	0.500 max.
Iron	Fe %	0.100 max.
Aluminium	Al %	0.010 max.
Silicon	Si %	0.020 max.
Sulphur	S %	0.100 max.
Other	Ot%	0.200 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As-Cast

Mechanical Properties	
Tensile Strength in Mpa	220 min.
Yield Strength in Mpa	130 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
907C	AS	Australia	Ingots and Casting
C90810	AS	Australia	Ingots and Casting
CuSn11P	ISO	International	Ingots and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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