



## Material - BSI BS1400 LB2 CuSn10Pb10

**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 %	9.000 - 11.000	As-Cast	
Zinc	Zn %	1.000 max.		
Lead	Pb %	8.500 - 11.000		
Phosphorus	P %	0.100 max.		
Nickel	Ni %	2.000 max.		
Iron	Fe %	0.150 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.	<b>Mechanical Properties</b> Tensile Strength in Mpa      190 min. Yield Strength in Mpa      80 min. Elongation in %      5 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
Other	Ot%	0.500 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
937B	AS	Australia	Ingot and Casting
C93700	AS	Australia	Ingot and Casting
CuPb10Sn10	ISO	International	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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