



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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			Heat Treatment	
Tin	Sn %	4.000 - 6.000	As-Cast	
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.	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 -	
Other	Ot%	0.500 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS