



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - ISO 4382 CuSn8Pb2

### Standard Specification for Cast Copper Alloys

Group - Non-Ferrous Copper Alloy

Sub Group - ISO 4382 Cast Copper Alloys

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Aluminium	Al %	0.010 max.	As-Cast			
Iron	Fe %	0.200 max.				
Nickel	Ni %	2.500 max.				
Phosphorus	P %	0.050 max.				
Lead	Pb %	0.500 - 4.000				
Sulphur	S %	0.100 max.				
Antimony	Sb %	0.250 max.				
Silicon	Si %	0.010 max.				
Tin	Sn %	6.000 - 9.000				
Zinc	Zn %	3.000 min.				
Copper	Cu %	Balance				
-	-	-	<b>Mechanical Properties</b>			
-	-	-			Tensile Strength in Mpa	220 - 270
-	-	-			Yield Strength in Mpa	130 min.
-	-	-			Elongation in %	2 - 16
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in HB	60 - 85
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LPB1	BS	British	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)**

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**