



## Material - ISO 4382 CuPb9Sn5

### 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 %	0.250 max.		
Manganese	Mn %	0.200 max.		
Nickel	Ni %	2.000 max.		
Phosphorus	P %	0.100 max.		
Lead	Pb %	8.000 - 11.000		
Sulphur	S %	0.100 max.		
Antimony	Sb %	0.500 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	4.000 - 6.000		
Zinc	Zn %	2.000 max.	Mechanical Properties	
Copper	Cu %	Balance	Tensile Strength in Mpa	160 - 230
-	-	-	Yield Strength in Mpa	60 - 130
-	-	-	Elongation in %	5 - 9
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	55 - 250
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LB4	BS	British	Casting
935B	AS	Australia	Ingot and Casting
935B	AS	Australia	Ingot and 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.