

Material: ISO 4382 CuPb20Sn5

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: ISO 4382 Cast Copper Alloys - Ingots and Castings

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

Belongs to the Industry: Ingot and Casting

Chemical Composition		
Aluminium	Al %	0.010 max.
Iron	Fe %	0.250 max.
Manganese	Mn %	0.200 max.
Nickel	Ni %	2.500 max.
Phosphorus	P %	0.100 max.
Lead	Pb %	18.000 - 23.000
Sulphur	S %	0.100 max.
Antimony	Sb %	18.000 - 23.000
Silicon	Si %	0.010 max.
Tin	Sn %	4.000 - 6.000
Zinc	Zn %	2.000 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	150 - 180
Yield Strength in Mpa	60 - 80
Elongation in %	5 - 7
Reduction of Area in %	-
Hardness in HB	45 - 50
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LB 5	BS	British	Ingot and Casting
941C	AS	Australia	Ingot and Casting
C94100	AS	Australia	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India