

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
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