

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		
Aluminium	Al %	0.010 max.
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
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
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
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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