

Material: ISO 4382 CuPb15Sn8

Standard Specification for Cast Copper Alloys for Solid and Multilayer Thick-Walled Plain Bearings

Group: Non-Ferrous Copper Alloy

Sub Group: ISO 4382 Cast Copper Alloys for Solid and Multilayer Thick-Walled Plain Bearings

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

Belongs to the Industry: Ingot and 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 %	13.000 - 17.000		
Sulphur	S %	0.100 max.		
Antimony	Sb %	0.500 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	7.000 - 9.000		
Zinc	Zn %	2.000 max.	Mechanical Properties	
Copper	Cu %	Balance	Tensile Strength in Mpa	170 - 220
-	-	-	Yield Strength in Mpa	80 - 100
-	-	-	Elongation in %	3 - 8
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	60 - 65
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LB 1	BS	British	Ingot and Casting
CuPb15Sn8	UNI	Italy	Ingot and Casting
CuPb15Sn8	KS	Korea	Ingot and Casting
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