

# 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			Heat Treatment	
Aluminium	Al %	0.010 max.	As-Cast	
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	<b>Mechanical Properties</b> 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 -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LPB1	BS	British	Casting
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