

Material: BSI BS1400 PB1 CuSn10PbP

Standard Specification for Copper Alloy and High Conductivity Conductivity Copper Casting

Group: Non-Ferrous Copper Alloy

Sub Group: BSI BS1400 Copper Alloy and High Conductivity Conductivity Copper Casting

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Tin	Sn %	10.000 - 11.500	As-Cast	
Zinc	Zn %	0.050 max.		
Lead	Pb %	0.250 max.		
Phosphorus	P %	0.500 - 1.000		
Nickel	Ni %	0.100 max.		
Iron	Fe %	0.100 max.		
Aluminium	Al %	0.010 max.		
Manganese	Mn %	0.005 max.		
Fe + As + Sb	Fe+As+Sb	0.0500 max.		
Silicon	Si %	0.020 max.	Mechanical Properties	
Sulphur	S %	0.050 max.	Tensile Strength in Mpa	220 min.
Other	Other	0.600 max.	Yield Strength in Mpa	130 min.
Copper	Cu %	Balance	Elongation in %	3 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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