

Material: BSI BS1400 CT1 CuSn10

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 %	9.000 - 11.000	As-Cast	
Zinc	Zn %	0.030 max.		
Lead	Pb %	0.250 max.		
Phosphorus	P %	0.150 max.		
Nickel	Ni %	0.250 max.		
Iron	Fe %	0.200 max.		
Aluminium	Al %	0.010 max.		
Manganese	Mn %	0.200 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.010 max.		
Sulphur	S %	0.050 max.	Mechanical Properties Tensile Strength in Mpa 240 min. Yield Strength in Mpa 130 min. Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Other	Other %	0.800 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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