

Material: BSI BS1400 CT2 CuSn12Ni

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: Ingot and Casting

Chemical Composition			Heat Treatment	
Tin	Sn %	11.000 - 13.000	As-Cast	
Zinc	Zn %	0.400 max.		
Lead	Pb %	0.300 max.		
Phosphorus	P %	0.050 - 0.400		
Nickel	Ni %	1.500 - 2.500		
Iron	Fe %	0.200 max.		
Aluminium	Al %	0.010 max.		
Manganese	Mn %	0.020 max.		
Silicon	Si %	0.010 max.		
Sulphur	S %	0.050 max.		
Other	Ot%	0.800 max.	Mechanical Properties Tensile Strength in Mpa 280 min. Yield Strength in Mpa 160 min. Elongation in % 12 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Copper	Cu %	85.000 - 87.500		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C91700	AS	Australia	Ingot and Casting
CuSn12Ni2	ISO	International	Ingot and Casting
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