

Material: ISO 1338 CuSn12Ni2

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: ISO 4382 Cast Copper Alloys - Ingots and Castings

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 %	0.150 max.		
Manganese	Mn %	0.200 max.		
Nickel	Ni %	1.500 - 2.000		
Phosphorus	P %	0.050 max.		
Lead	Pb %	0.200 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.100 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	11.200 - 13.000		
Zinc	Zn %	0.400 max.	Mechanical Properties Tensile Strength in Mpa 280 - 300 Yield Strength in Mpa 160 - 180 Elongation in % 8 - 12 Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Copper	Cu %	84.500 - 87.300		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CT2	BS	British	Ingot and Casting
C91700	AS	Australia	Ingot and Casting
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