

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		
Aluminium	Al %	0.010 max.
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.
Copper	Cu %	84.500 - 87.300
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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	-

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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-	-	-	-
-	-	-	-
-	-	-	-
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