

Material: AS 2738 C91700

Standard Specification for Copper and Copper Alloys - Compositions and Designations of Refinery Products, Wrought Products, Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: AS 2738 Copper and Copper Alloys - Compositions and Designations of Refinery Products, Wrought Products, 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 %	0.005 max.	As-Cast	
Iron	Fe %	0.200 max.		
Nickel	Ni %	1.200 - 2.000		
Phosphorus	P %	0.300 max.		
Lead	Pb %	0.250 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	11.300 - 12.500		
Zinc	Zn %	0.250 max.	Mechanical Properties	
Copper	Cu %	84.000 - 87.000	Tensile Strength in Mpa	220 - 415
-	-	-	Yield Strength in Mpa	110 - 220
-	-	-	Elongation in %	8 - 16
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	80 - 106
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CT2	BS	British	Ingot and Casting
CuSn12Ni2	ISO	International	Ingot and Casting
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-	-	-	-
-	-	-	-
-	-	-	-
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