

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.	As-Cast	
Nickel	Ni %	1.200 - 2.000	As-Cast	
Phosphorus	P %	0.300 max.	As-Cast	
Lead	Pb %	0.250 max.	As-Cast	
Sulphur	S %	0.050 max.	As-Cast	
Antimony	Sb %	0.200 max.	As-Cast	
Silicon	Si %	0.005 max.	As-Cast	
Tin	Sn %	11.300 - 12.500	As-Cast	
Zinc	Zn %	0.250 max.	As-Cast	
Copper	Cu %	84.000 - 87.000	As-Cast	
-	-	-	As-Cast	
-	-	-	As-Cast	
-	-	-	As-Cast	
-	-	-	As-Cast	

Mechanical Properties				
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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