

Material: AS 2738 C93700

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 %	0.150 max.	As-Cast	
Nickel	Ni %	0.500 max.	As-Cast	
Phosphorus	P %	0.100 max.	As-Cast	
Lead	Pb %	8.000 - 11.000	As-Cast	
Sulphur	S %	0.080 max.	As-Cast	
Antimony	Sb %	0.500 max.	As-Cast	
Silicon	Si %	0.005 max.	As-Cast	
Tin	Sn %	9.200 - 11.000	As-Cast	
Zinc	Zn %	0.800 min.	As-Cast	
Copper	Cu %	72.000 - 82.000	As-Cast	
-	-	-	As-Cast	
-	-	-	As-Cast	
-	-	-	As-Cast	
-	-	-	As-Cast	

Mechanical Properties				
Tensile Strength in Mpa				190 - 280
Yield Strength in Mpa				80 - 160
Elongation in %				3 - 6
Reduction of Area in %				-
Hardness in HB				65 - 80
Impact in Joule				-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
LB2	BS	British	Casting	
937B	AS	Australia	Ingot and Casting	
CuPb10Sn10	ISO	International	Casting	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	

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