

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