

Material: AS 2738 C94100

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 %	0.250 max.	As-Cast	
Nickel	Ni %	1.000 max.	As-Cast	
Phosphorus	P %	0.050 max.	As-Cast	
Lead	Pb %	18.000 - 22.000	As-Cast	
Sulphur	S %	0.080 max.	As-Cast	
Antimony	Sb %	0.800 max.	As-Cast	
Silicon	Si %	0.005 max.	As-Cast	
Tin	Sn %	4.700 - 6.500	As-Cast	
Zinc	Zn %	1.000 max.	As-Cast	
Copper	Cu %	72.000 - 79.000	As-Cast	
-	-	-	As-Cast	
-	-	-	As-Cast	
-	-	-	As-Cast	
-	-	-	As-Cast	

Mechanical Properties				
Tensile Strength in Mpa				160 - 190
Yield Strength in Mpa				60 - 100
Elongation in %				5 - 8
Reduction of Area in %				-
Hardness in HB				45 - 50
Impact in Joule				-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
LB 5	BS	British	Ingot and Casting	
941C	AS	Australia	Ingot and Casting	
CuPb20Sn5	ISO	International	Ingot and Casting	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	

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