

Material: AS 2738 C85210

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		
Aluminium	Al %	0.005 max.
Arsenic	As %	0.020 - 0.060
Iron	Fe %	0.800 max.
Nickel	Ni %	1.000 max.
Lead	Pb %	2.000 - 5.000
Silicon	Si %	0.005 max.
Tin	Sn %	1.000 - 3.000
Cu + Ni	Cu%+Ni%	70.000 - 75.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As-Cast

Mechanical Properties	
Tensile Strength in Mpa	170 min.
Yield Strength in Mpa	80 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	45 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SCB1	BS	British	Casting
852C	AS	Australia	Ingots and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India