

Material: AS 2738 C95810

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 %	8.500 - 9.500	As-Cast	
Iron	Fe %	3.500 - 4.500		
Magnesium	Mg %	0.050 max.		
Manganese	Mn %	0.800 - 1.500		
Nickel	Ni %	4.000 - 5.000		
Lead	Pb %	0.050 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.100 max.		
Zinc	Zn %	0.500 max.		
Copper	Cu %	79.000 min.	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	590 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	140 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AB2	BS	British	Ingot and Casting
958C	AS	Australia	Ingot and Casting
CuAl10Fe5Ni5	ISO	International	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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