

Material: AS/NZS 1565 957B

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: AS/NZS 1565 Copper and Copper Alloys - 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 %	7.000 - 8.500
Iron	Fe %	2.000 - 4.000
Manganese	Mn %	11.000 - 14.000
Nickel	Ni %	1.500 - 3.000
Phosphorus	P %	0.050 max.
Lead	Pb %	0.050 max.
Silicon	Si %	0.150 max.
Tin	Sn %	1.000 max.
Zinc	Zn %	0.500 max.
Copper	Cu %	71.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	680 min.
Yield Strength in Mpa	280 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	160 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CMA1	BS	British	Ingot and Casting
C95710	AS	Australia	Ingot and Casting
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-	-	-	-
-	-	-	-
-	-	-	-
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