

# Material: AS/NZS 1565 958C

## 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 %	8.500 - 9.500
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.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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
C95810	AS	Australia	Ingot and Casting
CuAl10Fe5Ni5	ISO	International	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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