

Material: AS/NZS 1565 857B

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 %	0.200 - 0.800
Iron	Fe %	0.800 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	1.000 max.
Lead	Pb %	1.000 - 2.500
Silicon	Si %	0.050 max.
Tin	Sn %	1.000 max.
Cu + Ni	Cu%+Ni%	58.000 - 63.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	300 min.
Yield Strength in Mpa	90 min.
Elongation in %	13 min.
Reduction of Area in %	-
Hardness in HB	60 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
DCB3	BS	British	Casting
C85710	AS	Australia	Ingot and Casting
CuZn40Pb	ISO	International	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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