

Material: AS/NZS 1565 935B

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 %	0.005 max.
Iron	Fe %	0.200 max.
Nickel	Ni %	1.000 max.
Phosphorus	P %	0.050 max.
Lead	Pb %	8.000 - 10.000
Sulphur	S %	0.080 max.
Antimony	Sb %	0.300 max.
Tin	Sn %	4.300 - 6.000
Zinc	Zn %	2.000 max.
Copper	Cu %	83.000 - 86.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	160 - 230
Yield Strength in Mpa	60 - 130
Elongation in %	5 - 9
Reduction of Area in %	-
Hardness in HB	45 - 60
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LB4	BS	British	Casting
C93500	AS	Australia	Ingot and Casting
CuPb9Sn5	ISO	International	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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