Material: AS/NZS 1565 C93700

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group: *Non-Ferrous Copper Alloy*

Sub Group: *AS/NZS 1565 Copper and Copper Alloys - Ingot and Casting*

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 %	0.150 max.
Nickel	Ni %	0.500 max.
Phosphorus	P %	1.500 max.
Lead	Pb %	8.000 - 11.000
Sulphur	S %	0.080 max.
Antimony	Sb %	0.500 max.
Silicon	Si %	0.005 max.
Tin	Sn %	9.200 - 11.000
Zinc	Zn %	0.800 max.
Copper	Cu %	72.000 - 79.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	190 - 280
Yield Strength in Mpa	80 - 160
Elongation in %	3 - 6
Reduction of Area in %	-
Hardness in HB	65 - 80
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C93700	UNS	USA	Rod, Bar, Tube and Shapes
B22 C93700	ASTM	USA	Casting
B30 C93700	ASTM	USA	Ingot and Casting
SB-505 C93700	ASME	USA	Casting
SB-584 C93700	ASME	USA	Casting
C93700	SAE	USA	Casting
CA937	SAE	USA	Casting

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