

Material: AS 2738 C65500

Standard Specification for Copper and Copper Alloys - Compositions and Designations of Refinery Products, Wrought Products, Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: AS 2738 Copper and Copper Alloys - Compositions and Designations of Refinery Products, Wrought Products, Ingots and Castings

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: *Ingot and Casting*

Chemical Composition			Heat Treatment
Iron	Fe %	0.800 max.	Normalizing or Annealing or Tempering
Manganese	Mn %	0.500 - 1.300	
Nickel	Ni %	0.600 max.	
Lead	Pb %	0.050 max.	
Silicon	Si %	2.800 - 3.800	
Zinc	Zn %	1.500 max.	
Copper	Cu %	Balance	
-	-	-	
-	-	-	
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Mechanical Properties			
Tensile Strength in Mpa			340 - 480
Yield Strength in Mpa			-
Elongation in %			15 - 50
Reduction of Area in %			-
Hardness in HV			85 - 100
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B124 C65500	ASTM	USA	Rod, Bar and Shapes
B100 C65500	ASTM	USA	Plate and Sheet
B283 C65500	ASTM	USA	Forging
B96 C65500	ASTM	USA	Plate, Sheet, Strip and Bar
B98 C65500	ASTM	USA	Rod, Bar and Shape
SB-98 C65500	ASME	USA	Rod, Bar and Shape
SB-283 C65500	ASME	USA	Forging

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