

## **Material: AS 2738 C62300**

## 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	
Aluminium	Al %	8.500 - 10.000	Normalizing or Annealing or Tempering	
Iron	Fe %	2.000 - 4.000		
Manganese	Mn %	0.500 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Silicon	Si %	0.250 max.		
Tin	Sn %	0.600 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa			520 min.	
Yield Strength in Mpa			220 min.	
Elongation in %			22 min.	
Reduction of Area in %			-	
Hardness in BHN			-	
Impact in Joule			-	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B124 C62300	ASTM	USA	Rod, Bar and Shapes
B150 C62300	ASTM	USA	Rod, Bar and Shape
B283 C62300	ASTM	USA	Forging
SB-150 C62300	ASME	USA	Rod, Bar and Shape
SB-283 C62300	ASME	USA	Forging
C62300	UNS	USA	Rod, Bar and Shape
-	-	-	-

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