

Material: ASTM B30 C92200

Standard Specification for Copper Alloys Ingot and Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B30 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			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.200 max.		
Ni + Co	Ni% + Co%	0.800 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	1.000 - 1.8000		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	5.800 - 6.500		
Zinc	Zn %	3.500 - 5.000		
Copper	Cu %	86.000 - 89.000		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	234 min.
			Yield Strength in Mpa	110 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
C92200	UNS	USA	Rod, Bar, Tube and Shapes
B61 C92200	ASTM	USA	Casting
SB-61 C92200	ASME	USA	Casting
SB-505 C922000	ASME	USA	Casting
CA922	SAE	USA	Casting
SAE 922	SAE	USA	Casting
CACIn407	KS	Korea	Ingot and Casting

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