

ASTM B271 Tin Bronze and Lead Tin Bronze UNS C92200

Standard Specification for Copper-Base Alloy Centrifugal Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B271 Copper-Base Alloy Centrifugal Castings

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

Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Tin	Sn %	5.500 - 6.500	As-Cast	
Lead	Pb %	1.000 - 2.000		
Zinc	Zn %	3.000 - 5.000		
Iron	Fe %	0.250 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.		
Antimony	Sb %	0.250 max.		
Sulphur	S %	0.050 max.		
Phosphorus	P %	0.050 max.		
Copper	Cu %	86.000 - 90.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	276 min.
			Yield Strength in Mpa	124 min.
			Elongation in %	20 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C92200	ASTM	USA	Ingot and Casting
B61 C92200	ASTM	USA	Casting
SB-61 C92200	ASME	USA	Casting
SB-505 C922000	ASME	USA	Casting
CA922	SAE	USA	Casting
SAE 622	SAE	USA	Casting
CACIn407	KS	Korea	Ingot and Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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