ASTM B271 Tin Bronze and Leaded Tin Bronze UNS C90300

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		
Tin	Sn %	7.500 - 9.000
Lead	Pb %	0.300 max.
Zinc	Zn %	3.000 - 5.000
Iron	Fe %	0.200 max.
Ni + Co	Ni% + Co%	1.000 max.
Aluminium	Al %	0.005 max.
Silicon	Si %	0.005 max.
Antimony	Sb %	0.200 max.
Sulphur	S %	0.050 max.
Phosphorus	P %	0.050 max.
Copper	Cu %	86.000 - 89.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	310 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 C90300	ASTM	USA	Ingot and Casting
B505 C90300	ASTM	USA	Casting
CA903	SAE	USA	Casting
SAE 620	SAE	USA	Casting
SB-505 C90300	ASME	USA	Casting
SB-584 C90300	ASME	USA	Casting
CACIn402	KS	Korea	Casting

Customer Care: +91-99090 45075 Email: info@icastllp.com