Material: ASTM B505 C93600

Standard Specification for Copper Alloy Continuous Casting

Group: *Non-Ferrous Copper Alloy*

Sub Group: *ASTM B505 Copper Alloy Continuous Casting*

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

Belongs to the Industry: *Casting*

Chemical Composition		
Aluminium	Al %	0.005 max.
Iron	Fe %	0.200 max.
Ni + Co	Ni% + Co%	1.000 max.
Phosphorus	P %	1.500 max.
Lead	Pb %	11.000 - 13.000
Sulphur	S %	0.080 max.
Antimony	Sb %	0.550 max.
Silicon	Si %	0.005 max.
Tin	Sn %	6.000 - 8.000
Zinc	Zn %	1.000 max.
Copper	Cu %	79.000 - 83.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	227 min.
Yield Strength in Mpa	138 min.
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C93600	UNS	USA	Rod, Bar, Tube and Shapes
B30 C93600	ASTM	USA	Ingot and Casting
B66 C93600	ASTM	USA	Casting
B271 C93600	ASTM	USA	Casting
CACIn406	KS	Korea	Ingot and Casting
SB-271 C93600	ASME	USA	Casting
-	-	-	-

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