

Material: ASTM B30 C93600

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 %	0.150 max.		
Ni + Co	Ni% + Co%	0.800 max.		
Phosphorus	P %	0.050 max.		
Lead	Pb %	11.300 - 13.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.500 max.		
Silicon	Si %	0.005 max.		
Zinc	Zn %	1.000 max.		
Copper	Cu %	79.000 - 82.000		
-	-	0	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	221 min.
-	-	-	Yield Strength in Mpa	110 min.
-	-	-	Elongation in %	15 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
B66 C93600	ASTM	USA	Casting
B271 C93600	ASTM	USA	Casting
B505 C93600	ASTM	USA	Casting
CACIn406	KS	Korea	Ingot and Casting
SB-271 C93600	ASME	USA	Casting
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