

## Material: ASTM B30 C94000

### 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 %	0.250 max.		
Ni + Co	Ni% + Co%	0.500 - 1.000		
Phosphorus	P %	0.050 max.		
Lead	Pb %	14.000 - 15.700		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.500 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	12.300 - 14.000		
Zinc	Zn %	0.500 max.		
Copper	Cu %	69.000 - 72.000	<b>Mechanical Properties</b> Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB 80 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94000	UNS	USA	Rod, Bar, Tube and Shapes
B505 C94000	ASTM	USA	Casting
SB-505 C94000	ASME	USA	Casting
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