



## Material - ASTM B30 C83600

Standard Specification for Copper Alloys Ingot and Casting for General Engineering

### Purpose

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B30 Copper Alloys Ingot and Casting for General Engineering Purpose

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

Grade Belongs to the Industry - Ingot

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.250 max.		
Ni + Cu	Ni% + Cu%	0.800 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	4.000 - 5.700		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.250 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	4.300 - 6.000		
Zinc	Zn %	4.300 - 6.000		
Copper	Cu %	84.000 - 86.000	<b>Mechanical Properties</b> Tensile Strength in Mpa      207 min. Yield Strength in Mpa      97 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C83600	UNS	USA	Rod, Bar, Tube and Shapes
C83600	SAE	USA	Casting
B271 C83600	ASTM	USA	Casting
B505 C83600	ASTM	USA	Casting
B584 C83600	ASTM	USA	Casting
B62 C83600	ASTM	USA	Casting
4855	SAE	USA	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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