

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			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
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	Mechanical Properties	
Zinc	Zn %	1.000 max.	Tensile Strength in Mpa	227 min.
Copper	Cu %	79.000 - 83.000	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
-	-	-	-

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.