

Material - ASTM B505 High-Leaded Tin Bronze UNS C93400

Standard Specification for Copper Alloy Continuous Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B505 / 505M Copper Alloys for Continuous Casting

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

Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Tin	Sn %	7.000 - 9.000	As-Cast	
Lead	Pb %	7.000 - 9.000		
Zinc	Zn %	0.800 max.		
Ni + Cu	Ni% + Cu%	1.000 max.		
Iron	Fe %	0.200 max.		
Antimony	Sb %	0.500 max.		
Sulphur	S %	0.080 max.		
Phosphorus	P %	1.500 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.	Mechanical Properties	
Copper	Cu %	82.000 - 85.000	Tensile Strength in Mpa	234 min.
-	-	-	Yield Strength in Mpa	138 min.
-	-	-	Elongation in %	8 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C93400	ASTM	USA	Ingot and Casting
B66 C93400	ASTM	USA	Casting
B 505 C93400	ASTM	USA	Casting
SB-505 C93400	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.