

Material - ASTM B763 C99500

Standard Specification for Copper Alloy Sand Castings for Valve Applications

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B763 Copper Alloy Sand Castings for Valve Applications

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.500 - 2.000	As-Cast	
Iron	Fe %	3.000 - 5.000		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	3.500 - 5.500		
Lead	Pb %	0.090 max.		
Silicon	Si %	0.500 - 2.000		
Zinc	Zn %	0.500 - 2.000		
Copper	Cu %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	483 min.
-	-	-	Yield Strength in Mpa	276 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C99500	UNS	USA	Rod, Bar, Tube and Shapes
B30 C99500	ASTM	USA	Ingot and Casting
B505 C99500	ASTM	USA	Casting
SB-505 C99500	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.