

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 -	
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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
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