

Material: ASTM B505 UNS C95800

Standard Specification for Copper Alloy Continuous Castings

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B505 / 505M Copper Alloys for Continuous Castings

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	
Lead	Pb %	0.030 max.	As-Cast or Solution Annealing	
Ni + Cu	Ni% + Cu%	4.000 - 5.000		
Iron	Fe %	3.500 - 4.500		
Manganese	Mn %	0.800 - 1.500		
Aluminium	Al %	8.500 - 9.500		
Silicon	Si %	0.100 max.		
Copper	Cu %	79.000 min.		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	586 min.
			Yield Strength in Mpa	241 min.
			Elongation in %	18 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B148 C95800	ASTM	USA	Casting
B271 C95800	ASTM	USA	Casting
SB-148 C95800	ASME	USA	Casting
SB-505 C95800	ASME	USA	Casting
C95800	SAE	USA	Casting
CACIn703	KS	Korea	Ingot and Casting
B505 C95800	ASTM	USA	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com