

Material: IS 9805 Grade 2

Standard Specification for High Conductivity Copper Casting

Group: Non-Ferrous Copper Alloy

Sub Group: IS 9805 High Conductivity Copper Casting

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

Belongs to the Industry: Casting

Chemical Composition		
Lead	Pb %	0.010 max.
Bismuth	Bi %	0.001 max.
Antimony	Sb %	0.005 max.
Iron	Fe %	0.030 max.
Phosphorus	P %	0.030 max.
Arsenic	As %	0.050 max.
Nickel	Ni %	0.100 max.
Tin	Sn %	0.010 max.
Selenium + Tellurium	Se % + Te%	0.020 max.
Tellurium	Te %	0.010 max.
Other	Ot%	0.060 max.
Copper	Cu %	99.800 max.
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	200 min.
Yield Strength in Mpa	-
Elongation in %	46 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India