

Material: IS 8631 Grade 2

Standard Specification for Copper Base Alloys for Marine Propellers

Group: Non-Ferrous Copper Alloy

Sub Group: IS 8631 Copper Base Alloys for Marine Propellers

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

Belongs to the Industry: Ingot and Casting

Chemical Composition		
Lead	Pb %	0.050 max.
Tin	Sn %	0.100 max.
Silicon	Si %	0.100 max.
Magnesium	Mg %	0.100 max.
Manganese	Mn %	3.000 max.
Nickel	Ni %	1.000 max.
Iron	Fe %	0.700 - 2.000
Aluminium	Al %	0.500 - 2.500
Copper	Cu %	55.000 min.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As Raw

Mechanical Properties	
Tensile Strength in Mpa	460 min.
Yield Strength in Mpa	-
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HV	-
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