

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			Heat Treatment	
Lead	Pb %	0.050 max.	As Raw	
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	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
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