

Material: IS 14811 CuATP-HA

Standard Specification for Rolled Copper Plate, Sheet, Strip and Foils for General Engineering Purposes

Group: Non-Ferrous Copper Alloy

Sub Group: IS 14811 Rolled Copper Plate, Sheet, Strip and Foils for General Engineering Purposes

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

Belongs to the Industry: Plate, Sheet, Strip and Foils

Chemical Composition			Heat Treatment	
Arsenic	As %	0.200 - 0.500	As Drawn or Annealing or Half Hardening or Tempering & Annealing or Annealing	
Bismuth	Bi %	0.005 max.		
Iron	Fe %	0.020 max.		
Nickel	Ni %	0.150 max.		
Oxygen	O %	0.100 max.		
Lead	Pb %	0.020 max.		
Antimony	Sb %	0.010 max.		
Se + Te	Se% + Te%	0.030 max.		
Tin	Sn %	0.030 max.	Mechanical Properties	
Cu + Ag	Cu% + Ag%	99.200 min.	Tensile Strength in Mpa	215 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	55 - 75
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Cu-ATP	IS	India	Ingot and Casting
CuATP-HB	IS	India	Plate, Sheet, Strip and Foils
CuATP-HD	IS	India	Plate, Sheet, Strip and Foils
CuATP-O	IS	India	Plate, Sheet, Strip and Foils
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Customer Care: +91-99090 45075 Email: info@icastllp.com