

Material: IS 14811 CuATP-O

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		
Arsenic	As %	0.200 - 0.500
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.
Cu + Ag	Cu% + Ag%	99.200 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As Drawn or Annealing or Half Hardening or Tempering & Annealing or Annealing	

Mechanical Properties	
Tensile Strength in Mpa	195 min.
Yield Strength in Mpa	-
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HV	55 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Cu-ATP	IS	India	Ingot and Casting
CuATP-HA	IS	India	Plate, Sheet, Strip and Foils
CuATP-HB	IS	India	Plate, Sheet, Strip and Foils
CuATP-HD	IS	India	Plate, Sheet, Strip and Foils
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-	-	-	-
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