

## Material: IS 14811 CuDPA-HB

### 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 %	0.003 max.		
Iron	Fe %	0.030 max.		
Nickel	Ni %	0.150 max.		
Other	Ot%	0.060 max.		
Phosphorus	P %	0.015 - 0.100		
Lead	Pb %	0.010 max.		
Antimony	Sb %	0.010 max.		
Se + Te	Se% + Te%	0.020 max.		
Tin	Sn %	0.010 max.		
Tellurium	Te %	0.010 max.	Mechanical Properties	
Cu + Ag	Cu% + Ag%	99.200 max.	Tensile Strength in Mpa	250 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	75 - 90
-	-	-	Impact in Joule	-

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

**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](mailto:info@icastllp.com)