

## Material: IS 14811 CuDPA-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 %	0.003 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	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-DPA	IS	India	Ingot and Casting
CuDPA-HB	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
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-	-	-	-
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