



## Material - IS 14811 CuETP-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	
Bismuth	Bi %	0.001 max.	As-Cast	
Other	Ot%	0.030 max.		
Oxygen	O %	0.045 max.		
Lead	Pb %	0.005 max.		
Cu + Ag	Cu% + Ag%	99.900 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	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-ETP	IS	India	Ingot and Casting
CuCATH-HB	IS	India	Strip
CuCATH-HD	IS	India	Strip
CuCATH-O	IS	India	Strip
Cu FRHC	IS	India	Ingot and Casting
CuETP-HB	IS	India	Strip
C 101	BS	British	Rod and Section

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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