

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

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