

Material: IS 1897 CuCATH-HB

Standard Specification for Copper Strip for Electrical Purposes

Group: Non-Ferrous Copper Alloy

Sub Group: IS 1897 Copper Strip for Electrical Purposes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Strip

Chemical Composition			Heat Treatment	
Bismuth	Bi %	0.001 max.	As-Cast	
Other	Ot%	0.030 max.		
Lead	Pb %	0.005 max.		
Cu + Ag	Cu% + Ag%	99.900 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	154.5 - 698.2
-	-	-	Yield Strength in Mpa	54.5 - 366.7
-	-	-	Elongation in %	10 - 15
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	75 min.
-	-	-	Impact in Joule	35.5 - 131.9 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Cu-ETP	IS	India	Ingot and Casting
Cu FRHC	IS	India	Ingot and Casting
CuCATH-HD	IS	India	Strip
CuCATH-O	IS	India	Strip
CuETP-HA	IS	India	Plate, Sheet, Strip and Foils
CuETP-HB	IS	India	Strip
C 101	BS	British	Rod and Section

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India