



## Material - BS 2874 C 102

### Standard Specification for Copper and Copper Alloy Rods and Sections

Group - Non-Ferrous Copper Alloy

Sub Group - BS 2874 Copper and Copper Alloy Rods and Sections

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

Grade Belongs to the Industry - Rod and Section

Chemical Composition			Heat Treatment	
Bismuth	Bi %	0.0025 max.	As-Cast	
Other	Ot%	0.040 max.		
Lead	Pb %	0.005 max.		
Copper	Cu %	99.900 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	154.5 - 698.2
			Yield Strength in Mpa	54.5 - 366.7
			Elongation in %	4 - 45
			Reduction of Area in %	-
			Hardness in HV	50 - 100
			Impact in Joule	35.5 - 131.9 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Cu-FRHC	IS	India	Ingot and Casting
CuETP-HA	IS	India	Plate, Sheet, Strip and Foils
Cu ETP	IS	India	Ingot and Casting
CuETP-HB	IS	India	Strip
CuETP-HD	IS	India	Strip
CuETP-O	IS	India	Strip
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**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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