



## Material - IS 6912 Cu FHTB5

**Standard Specification for Copper and Copper Alloy Forging Stock and Forgings**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - IS 6912 Copper and Copper Alloy Forging Stock and Forgings**

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

**Grade Belongs to the Industry - Forging**

Chemical Composition			Heat Treatment	
Lead	Pb %	0.100 max.	As Raw	
Tin	Sn %	0.100 max.		
Iron	Fe %	0.300 - 1.000		
Aluminium	Al %	3.500 - 4.500		
Manganese	Mn %	0.150 max.		
Nickel	Ni %	2.000 - 3.000		
Silicon	Si %	0.750 - 1.250		
Cobalt	Co %	0.500 - 1.500		
Other	Ot%	0.750 max.		
Copper	Cu %	59.000 - 62.000		
Zinc	Zn %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      635 min. Yield Strength in Mpa      - Elongation in %      2 min. Reduction of Area in %      - Hardness in HRB      95 min. Impact in Joule      -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**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)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.