



## Material - IS 6912 Cu FHTB1

**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 %	0.500 - 1.500	As Raw	
Tin	Sn %	0.600 - 1.100		
Iron	Fe %	0.300 - 1.250		
Aluminium	Al %	0.200 max.		
Manganese	Mn %	0.500 - 2.000		
Other	Ot%	0.500 max.		
Copper	Cu %	56.500 - 60.000		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	430 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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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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