

# Material: IS 6912 Cu FHTB2

## 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		
Lead	Pb %	0.500 - 1.500
Tin	Sn %	0.200 - 0.800
Iron	Fe %	0.300 - 1.250
Aluminium	Al %	0.300 - 2.000
Manganese	Mn %	0.500 - 2.000
Other	Ot%	0.500 max.
Copper	Cu %	56.500 - 61.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw

Mechanical Properties	
Tensile Strength in Mpa	460 min.
Yield Strength in Mpa	-
Elongation in %	12 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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