

Material: IS 6912 Cu FHTB3

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 %	0.200 - 0.800
Tin	Sn %	0.300 max.
Iron	Fe %	0.200 - 1.000
Aluminium	Al %	1.400 - 2.000
Manganese	Mn %	1.600 - 2.200
Nickel	Ni %	1.000 - 0.200
Silicon	Si %	0.500 - 1.000
Other	Ot%	0.500 max.
Copper	Cu %	56.500 - 60.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw

Mechanical Properties	
Tensile Strength in Mpa	600 min.
Yield Strength in Mpa	-
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in HRB	85 min.
Impact in Joule	-

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