

Material: IS 6912 Cu FHTB4

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 %	0.150 max.	As Raw	
Tin	Sn %	0.150 max.		
Iron	Fe %	0.500 max.		
Aluminium	Al %	2.500 - 3.500		
Manganese	Mn %	2.500 - 3.500		
Nickel	Ni %	0.200 - 0.500		
Silicon	Si %	0.750 - 1.250		
Chromium	Cr %	0.100 - 0.300		
Other	Ot%	0.750 max.		
Copper	Cu %	60.000 - 63.000	Mechanical Properties	
Zinc	Zn %	Balance	Tensile Strength in Mpa	575 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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