

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