

Material: IS 6912 Al.Si Bronze FAB

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 %	0.050 max.
Tin	Sn %	0.200 max.
Manganese	Mn %	0.100 max.
Magnesium	Mg %	0.050 max.
Nickel	Ni %	0.250 max.
Iron	Fe %	0.300 max.
Silicon	Si %	1.500 - 2.000
Zinc	Zn %	0.500 max.
Other	Ot%	0.500 max.
Aluminium	Al %	6.500 - 7.000
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As Raw

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	-
Elongation in %	30 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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