

## 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			Heat Treatment	
Lead	Pb %	0.050 max.	As Raw	
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	<b>Mechanical Properties</b> Tensile Strength in Mpa 485 min. Yield Strength in Mpa - Elongation in % 30 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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