



Material - IS 10569 CuAl7Fe3Sn

Standard Specification for Aluminium Bronze Rods, Bars and Sections

Group - Non-Ferrous Copper Alloy

Sub Group - IS 10569 Aluminium Bronze Rods, Bars and Sections

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Rod, Bar and Section

Chemical Composition			Heat Treatment	
Lead	Pb %	0.050 max.	As Raw or Annealing	
Tin	Sn %	0.200 - 0.500		
Silicon	Si %	0.100 max.		
Nickel	Ni %	0.250 max.		
Magnesium	Mg %	0.050 max.		
Zinc	Zn %	0.100 max.		
Manganese	Mn %	0.250 max.		
Iron	Fe %	2.000 - 3.000		
Aluminium	Al %	6.000 - 7.500		
Other	Ot%	0.250 max.		
Copper	Cu %	Balance	Mechanical Properties Tensile Strength in Mpa 540 min. Yield Strength in Mpa 240 min. Elongation in % 25 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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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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