

# Material: IS 10569 CuAl7Si2

## 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		
Lead	Pb %	0.050 max.
Tin	Sn %	0.200 max.
Silicon	Si %	1.500 - 2.200
Nickel	Ni %	0.250 max.
Magnesium	Mg %	0.050 max.
Zinc	Zn %	0.500 max.
Manganese	Mn %	0.100 max.
Iron	Fe %	0.300 max.
Aluminium	Al %	6.300 - 7.600
Other	Ot%	0.500 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	310 min.
Elongation in %	9 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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