

# Material: BSI BS1400 AB1 CuAl10Fe3

## Standard Specification for Copper Alloy and High Conductivity Conductivity Copper Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** BSI BS1400 Copper Alloy and High Conductivity Conductivity Copper Casting

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Casting (Sand, Chill, Continuous & Centrifugal) and Ingot

Chemical Composition		
Tin	Sn %	0.100 max.
Zinc	Zn %	0.500 max.
Lead	Pb %	0.030 max.
Nickel	Ni %	1.000 max.
Iron	Fe %	1.500 - 3.500
Aluminium	Al %	8.500 - 10.500
Manganese	Mn %	1.000 max.
Silicon	Si %	0.200 max.
Magnesium	Mg %	0.050 max.
Other	Ot%	0.300 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
952C	AS	Australia	Ingot and Casting
C95210	AS	Australia	Ingot and Casting
CuAl10Fe3	ISO	International	Rod and Bar
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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