

# Material: BSI BS1400 AB2 CuAl10Fe3Ni5

## 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:** Ingot and Casting

Chemical Composition		
Tin	Sn %	0.100 max.
Zinc	Zn %	0.500 max.
Lead	Pb %	0.030 max.
Nickel	Ni %	4.000 - 5.500
Iron	Fe %	4.000 - 5.500
Aluminium	Al %	8.800 - 10.000
Manganese	Mn %	3.000 max.
Silicon	Si %	0.100 max.
Other	Ot%	0.300 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As-Cast

Mechanical Properties	
Tensile Strength in Mpa	640 min.
Yield Strength in Mpa	250 min.
Elongation in %	13 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
958C	AS	Australia	Ingots and Casting
C95810	AS	Australia	Ingots and Casting
CuAl10Fe5Ni5	ISO	International	Ingots and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India