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	Ingot and Casting
C95810	AS	Australia	Ingot and Casting
CuAl10Fe5Ni5	ISO	International	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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