

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			Heat Treatment	
Tin	Sn %	0.100 max.	As-Cast	
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	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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