

Material: BSI BS1400 AB3 CuAl6Si2Fe

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 %	0.400 max.
Lead	Pb %	0.300 max.
Nickel	Ni %	0.100 max.
Iron	Fe %	0.500 - 0.700
Aluminium	Al %	6.000 - 6.400
Manganese	Mn %	0.050 max.
Silicon	Si %	2.000 - 2.400
Magnesium	Mg %	0.050 max.
Other	Ot%	0.800 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As-Cast

Mechanical Properties	
Tensile Strength in Mpa	460 min.
Yield Strength in Mpa	180 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CF301G	EN	European Union	Ingots and Casting
CA 107	BS	British	Rod and Section
CF301G	BS	British	Ingots and Casting
CF301G	DIN	Germany	Ingots and Casting
CF301G	ONORM	Australia	Ingots and Casting
CuAl6Si2Fe	BS	British	Ingots and Casting
C23	BS	British	Ingots and Casting

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