



Material - BSI BS1400 CMA1 CuMn13Al8Fe3Ni3

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 %	0.500 max.	As-Cast	
Zinc	Zn %	1.000 max.		
Lead	Pb %	0.050 max.		
Phosphorus	P %	0.050 max.		
Nickel	Ni %	1.500 - 4.500		
Iron	Fe %	2.000 - 4.000		
Aluminium	Al %	7.000 - 8.500		
Manganese	Mn %	11.000 - 15.000		
Silicon	Si %	0.150 max.		
Magnesium	Mg %	0.050 max.		
Other	Ot%	0.300 max.	Mechanical Properties	
Copper	Cu %	Balance	Tensile Strength in Mpa	650 min.
-	-	-	Yield Strength in Mpa	280 min.
-	-	-	Elongation in %	18 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
957B	AS	Australia	Ingot and Casting
C95710	AS	Australia	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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