



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BSI BS1400 AB1 CuAl10Fe3

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 - Casting (Sand, Chill, Continuous & Centrifugal) and Ingot

Chemical Composition			Heat Treatment	
Tin	Sn %	0.100 max.	As-Cast	
Zinc	Zn %	0.500 max.		
Lead	Pb %	0.030 max.		
Nickel	Ni %	1.000 max.		
Iron	Fe %	1.500 - 3.500		
Aluminium	Al %	8.500 - 10.500		
Manganese	Mn %	1.000 max.		
Silicon	Si %	0.200 max.		
Magnesium	Mg %	0.050 max.		
Other	Ot%	0.300 max.		
Copper	Cu %	Balance	Mechanical Properties Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
952C	AS	Australia	Ingot and Casting
C95210	AS	Australia	Ingot and Casting
CuAl10Fe3	ISO	International	Rod and Bar
-	-	-	-
-	-	-	-
-	-	-	-
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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