



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 6912 Cu FRHC

Standard Specification for Copper and Copper Alloy Forging Stock and Forging

Group - Non-Ferrous Copper Alloy

Sub Group - IS 6912 Copper and Copper Alloy Forging Stock and Forging

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Forging

Chemical Composition			Heat Treatment	
Bismuth	Bi %	0.0025 max.	Normalizing or Annealing or Tempering	
Lead	Pb %	0.005 max.		
Other	Ot%	0.040 max.		
Copper	Cu %	99.900 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	154.5 - 698.2
			Yield Strength in Mpa	55 - 367
			Elongation in %	6 - 45
			Reduction of Area in %	-
			Hardness in HV	60 - 90
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
9805 Grade 1	IS	India	Casting
C 102	BS	British	Tube
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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.

ONE STOP SOLUTION FOR METAL PARTS