



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS 2871 C 102

Standard Specification for Copper and Copper Alloy and Tubes for General Purposes

Group - Non-Ferrous Copper Alloy

Sub Group - BS 2871 Copper and Copper Alloy and Tubes for General Purposes

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

Grade Belongs to the Industry - Tube

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 %	4 - 45
			Reduction of Area in %	-
			Hardness in HV	50 - 100
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
9805 Grade 1	IS	India	Casting
Cu FRHC	IS	India	Forging
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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