



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ISO CuNi18Zn27

Standard Specification for Wrought Copper and Copper Alloy Plate, Sheet and Strip

Group - Non-Ferrous Copper Alloy

Sub Group - ISO Wrought Copper and Copper Alloy Plate, Sheet and Strip

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Iron	Fe %	0.300 max.	Normalizing or Annealing or Tempering	
Manganese	Mn %	0.500 max.		
Nickel	Ni %	17.000 - 19.000		
Lead	Pb %	0.050 max.		
Copper	Cu %	53.000 - 56.000		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	430 - 830
			Yield Strength in Mpa	180 - 700
			Elongation in %	2 - 45
			Reduction of Area in %	-
			Hardness in HRB	65 - 99
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi18Zn27	IS	India	Rod and Bar
B122 C77000	ASTM	USA	Plate, Sheet, Strip and Rolled Bar
B151 C77000	ASTM	USA	Rod and Bar
B206 C77000	ASTM	USA	Wire
CuNi18Zn20	ISO	International	Plate, Sheet and Strip
CuNi18Zn27	AFNOR NF	France	Plate, Sheet and Strip
CuNi18Zn27	DIN	Germany	Plate, Sheet and Strip

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