

# Material: DIN CEN/TS 13388 CuNi18Zn27

## Standard Specification for Copper and Copper Alloy

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** DIN CEN/TS 13388 Copper and Copper Alloy

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Plate, Sheet and Strip

Chemical Composition		
Iron	Fe %	0.300 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	17.000 - 19.000
Other	Ot%	0.200 max.
Lead	Pb %	0.030 max.
Tin	Sn %	0.030 max.
Copper	Cu %	53.000 - 56.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	390 - 800
Yield Strength in Mpa	280 - 660
Elongation in %	2 - 40
Reduction of Area in %	-
Hardness in HB	85 - 210
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi18Zn27	IS	India	Rod and Bar
CuNi18Zn27	ISO	International	Plate, Sheet and Strip
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

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**Customer Care:** +91-99090 45075 **Email:** [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India