

Material: ISO CuNi18Zn20

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 %	60.000 - 64.000		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 390 - 770 Yield Strength in Mpa 170 - 510 Elongation in % 3 - 45 Reduction of Area in % - Hardness in HRB 55 - 93 Impact in Joule -	
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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
CuNi18Zn27	AFNOR NF	France	Plate, Sheet and Strip
CuNi18Zn27	DIN	Germany	Plate, Sheet and Strip

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