

Material: ASTM B122 C75200

Standard Specification for Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Alloy Plate, Sheet, Strip and Rolled Bar

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B122/B122M Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Alloy Plate, Sheet, Strip and Rolled Bar

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

Belongs to the Industry: Plate, Sheet, Strip and Rolled Bar

Chemical Composition		
Iron	Fe %	0.250 max.
Manganese	Mn %	0.500 max.
Ni + Co	Ni% + Co%	16.500 - 19.500
Lead	Pb %	0.050 max.
Cu + Ag	Cu% + Ag%	63.000 - 66.500
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Normalizing or Annealing or Tempering	

Mechanical Properties	
Tensile Strength in Mpa	355 - 695
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRB	25 - 96
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi10Zn27	IS	India	Rod and Bar
B151 C75200	ASTM	USA	Rod and Bar
C78400	UNS	USA	Rod and Bar
B206 C75700	ASTM	USA	Wire
C75700	UNS	USA	Rod and Bar
SB-151 C75700	ASME	USA	Rod and Bar
CuNi12Zn29	ISO	International	Plate, Sheet and Strip

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