

Material: ISO CuNi12Zn29

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		
Iron	Fe %	0.300 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	11.000 - 13.500
Lead	Pb %	0.050 max.
Copper	Cu %	57.000 - 61.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	410 - 840
Yield Strength in Mpa	150 - 660
Elongation in %	5 - 50
Reduction of Area in %	-
Hardness in HRB	68 - 98
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi10Zn27	IS	India	Rod and Bar
B122 C75200	ASTM	USA	Plate, Sheet, Strip and Rolled 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

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