

## Material: IS 8362 90/10 Copper - Nickel - Iron

### Standard Specification for Copper and Copper Alloy Rolled Plates for Condensers and Heat Exchangers

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 8362 Copper and Copper Alloy Rolled Plates for Condensers and Heat Exchangers

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

**Belongs to the Industry:** Plate

Chemical Composition			Heat Treatment	
Zinc	Zn %	1.000 max.	As Raw	
Nickel	Ni %	9.000 - 11.000		
Iron	Fe %	1.000 - 2.000		
Manganese	Mn %	0.300 - 0.800		
Sulphur	S %	0.030 max.		
Lead	Pb %	0.050 max.		
Other	Ot%	0.300 max.		
Copper	Cu %	86.500 min.		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	275 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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