

# Material: IS 8362 Copper - Silicon

## 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		
Zinc	Zn %	1.500 max.
Iron	Fe %	0.800 max.
Manganese	Mn %	0.500 - 1.500
Lead	Pb %	0.050 max.
Silicon	Si %	2.800 - 3.800
Other	Ot%	0.500 max.
Copper	Cu %	94.800 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As Raw

Mechanical Properties	
Tensile Strength in Mpa	340 min.
Yield Strength in Mpa	-
Elongation in %	31 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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