

Material: IS 1545 CuNi10Fe1-O

Standard Specification for Solid drawn Copper and Copper Alloy Tubes for Condenser and Heat Exchangers

Group: Non-Ferrous Copper Alloy

Sub Group: IS 1545 Solid drawn Copper and Copper Alloy Tubes for Condenser and Heat Exchangers

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

Belongs to the Industry: Tube

Chemical Composition			Heat Treatment	
Iron	Fe %	1.000 - 1.8000	As Drawn or Annealing or Half Hardening or Tempering & Annealing or Annealing	
Manganese	Mn %	0.500 - 1.000		
Nickel	Ni %	9.000 - 11.000		
Other	Ot%	0.300 max.		
Lead	Pb %	0.050 max.		
Zinc	Zn %	0.500 max.		
Cu + Ag	Cu% + Ag%	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	295 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	110 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi10Fe1	IS	India	Tube
CuNi10Fe1-HD	IS	India	Tube
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