

Material: IS 14811 CuFRT-1-HA

Standard Specification for Rolled Copper Plate, Sheet, Strip and Foils for General Engineering Purposes

Group: Non-Ferrous Copper Alloy

Sub Group: IS 14811 Rolled Copper Plate, Sheet, Strip and Foils for General Engineering Purposes

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

Belongs to the Industry: Plate, Sheet, Strip and Foils

Chemical Composition		
Arsenic	As %	0.020 max.
Bismuth	Bi %	0.003 max.
Iron	Fe %	0.010 max.
Nickel	Ni %	0.050 max.
Oxygen	O %	0.100 max.
Other	Ot%	0.050 max.
Lead	Pb %	0.005 max.
Antimony	Sb %	0.005 max.
Se + Te	Se% + Te%	0.025 max.
Tin	Sn %	0.010 max.
Cu + Ag	Cu% + Ag%	99.850 min.
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast	
Mechanical Properties	
Tensile Strength in Mpa	250 min.
Yield Strength in Mpa	-
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HV	75 - 90
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Cu-FRT-1	IS	India	Ingot and Casting
CuFRT-1-HB	IS	India	Plate, Sheet, Strip and Foils
CuFRT-1-HD	IS	India	Plate, Sheet, Strip and Foils
CuFRT-1-O	IS	India	Plate, Sheet, Strip and Foils
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-	-	-	-
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