

Material: IS 14811 CuFRTP-1-O

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			Heat Treatment	
Arsenic	As %	0.020 max.	As-Cast	
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.	Mechanical Properties Tensile Strength in Mpa 195 min. Yield Strength in Mpa - Elongation in % 35 min. Reduction of Area in % - Hardness in HV 55 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Cu-FRTP-1	IS	India	Ingot and Casting
CuFRTP-1-HA	IS	India	Plate, Sheet, Strip and Foils
CuFRTP-1-HB	IS	India	Plate, Sheet, Strip and Foils
CuFRTP-1-HD	IS	India	Plate, Sheet, Strip and Foils
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