

Material: IS 14811 CuFRTP-2-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 | | | Heat Treatment | |
|----------------------|-----------|-------------|-------------------------|----------|
| Arsenic | As % | 0.100 max. | As-Cast | |
| Bismuth | Bi % | 0.020 max. | | |
| Iron | Fe % | 0.030 max. | | |
| Nickel | Ni % | 0.050 max. | | |
| Oxygen | O % | 0.100 max. | | |
| Lead | Pb % | 0.100 max. | | |
| Antimony | Sb % | 0.050 max. | | |
| Se + Te | Se% + Te% | 0.007 max. | | |
| Tin | Sn % | 0.050 max. | | |
| Cu + Ag | Cu% + Ag% | 99.500 min. | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 215 min. |
| - | - | - | Yield Strength in Mpa | - |
| - | - | - | Elongation in % | 25 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HV | 55 - 75 |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|-------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| Cu-FRTP-2 | IS | India | Ingot and Casting |
| CuFRTP-2-HB | IS | India | Plate, Sheet, Strip and Foils |
| CuFRTP-2-HD | IS | India | Plate, Sheet, Strip and Foils |
| CuFRTP-2-O | IS | India | Plate, Sheet, Strip and Foils |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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