

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 | | |
|----------------------|-----------|----------------|
| Iron | Fe % | 1.000 - 1.8000 |
| 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 |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| As Drawn or Annealing or Half Hardening or Tempering & Annealing or Annealing |

| 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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