

Material: IS 1545 CuZn30As-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 | | |
|----------------------|------|-----------------|
| Arsenic | As % | 0.020 - 0.060 |
| Iron | Fe % | 0.060 max. |
| Nickel | Ni % | 0.100 max. |
| Other | Ot% | 0.300 max. |
| Lead | Pb % | 0.070 max. |
| Copper | Cu % | 69.000 - 71.000 |
| Zinc | Zn % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| Stress Relieving or As Drawn or Hardening & Tempering or Tempering & Annealing or Annealing |

| Mechanical Properties | |
|-------------------------|----------|
| Tensile Strength in Mpa | 375 min. |
| Yield Strength in Mpa | - |
| Elongation in % | - |
| Reduction of Area in % | - |
| Hardness in HV | 80 min. |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CuZn30As | IS | India | Ingot and Casting |
| CuZn30As-HD | IS | India | Tube |
| CuZn30As-TA | IS | India | Tube |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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