

# Material: IS 2501

## Standard Specification for Solid Drawn Copper Tubes for General Engineering Purpose

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 2501 Solid Drawn Copper Tubes for General Engineering Purpose

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

**Belongs to the Industry:** Tube

Chemical Composition		
Phosphorus	P %	0.015 - 0.100
Arsenic	As %	0.050 max.
Antimony	Sb %	0.005 max.
Bismuth	Bi %	0.003 max.
Iron	Fe %	0.030 max.
Lead	Pb %	0.010 max.
Nickel	Ni %	0.100 max.
Tellurium	Te %	0.010 max.
Tin	Sn %	0.010 max.
Selenium + Tellurium	Se % + Te%	0.020 max.
Copper	Cu %	99.800 min.
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Half Hardening or Annealing

Mechanical Properties	
Tensile Strength in Mpa	195 min.
Yield Strength in Mpa	-
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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