

# Material: IS 1545 CuZn29Sn1As-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.
Tin	Sn %	0.900 - 1.500
Copper	Cu %	70.000 - 73.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Annealing or Half Hardening 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
CuZn29Sn1As	IS	India	Tube
CuZn29Sn1As-HD	IS	India	Tube
CuZn29Sn1As-TA	IS	India	Tube
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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