



## Material - IS 1545 CuZn21Al2As-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			Heat Treatment	
Aluminium	Al %	1.800 - 2.300	As Drawn or Annealing or Half Hardening or Tempering & Annealing or Annealing	
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 %	76.000 - 79.000		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	400 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	85 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn21Al2As	IS	India	Tube
CuZn21Al2As-HD	IS	India	Tube
CuZn21Al2As-TA	IS	India	Tube
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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