



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 1545 CuZn21Al2As-HD

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	415 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	130 min.
-	-	-	Impact in Joule	-

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS