

Material: IS 1545 CuZn21Al2As-TA

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 355 min. Yield Strength in Mpa - Elongation in % 50 min. Reduction of Area in % - Hardness in HV 80 - 110 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn21Al2As	IS	India	Tube
CuZn21Al2As-HD	IS	India	Tube
CuZn21Al2As-O	IS	India	Tube
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