



**GRAVITY CAST PVT. LTD.**  
GRAVITY GROUP OF COMPANIES

## Material - IS 1545 Cu DLP-O

**Standard Specification for Copper and Copper Alloy Tubes for Condenser and Heat Exchangers**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - IS 1545 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	
Phosphorus	P %	0.004 - 0.015	Normalizing or Annealing or Tempering	
Copper	Cu %	99.900 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	154.5 - 698.2
-	-	-	Yield Strength in Mpa	55 - 367
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	60 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10773 Grade 1	IS	India	Tube
Cu DLP-HB	IS	India	Tube
Cu DLP-HD	IS	India	Tube
C 1201 CB	JIS	Japan	Billet and Cake
C 1201 CC	JIS	Japan	Billet and Cake
C 1201	KS	Korea	Rod and Bar
C 1201 CB	KS	Korea	Billet and Cake

**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)**

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**