



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 191 Cu DHP

Standard Specification for Copper and Copper Alloy

Group - Non-Ferrous Copper Alloy

Sub Group - IS 191 Copper and Copper Alloy

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Tube

Chemical Composition			Heat Treatment	
Arsenic	As %	0.050 max.	Normalizing or Annealing or Tempering	
Bismuth	Bi %	0.003 max.		
Iron	Fe %	0.030 max.		
Nickel	Ni %	0.100 max.		
Other	Ot%	0.060 max.		
Phosphorus	P %	0.015 - 0.100		
Lead	Pb %	0.010 max.		
Antimony	Sb %	0.005 max.		
Se + Te	Se% + Te%	0.020 max.		
Tin	Sn %	0.010 max.		
Tellurium	Te %	0.010 max.	Mechanical Properties	
Cu + Ag	Cu% + Ag%	99.800 min.	Tensile Strength in Mpa	195 - 340
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	25 - 45
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10773 Grade 2	IS	India	Tube
CuDHP-HB	IS	India	Plate, Sheet, Strip and Foil
CuDHP-HD	IS	India	Plate, Sheet, Strip and Foil
CuDHP-O	IS	India	Plate, Sheet, Strip and Foil
CuDHP-HA	IS	India	Plate, Sheet, Strip and Foil
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-	-	-	-

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.

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