

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		
Arsenic	As %	0.050 max.
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.
Cu + Ag	Cu% + Ag%	99.800 min.
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
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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Customer Care: +91-99090 45075 **Email:** info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India