GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 6912 Cu FHTB5

Standard Specification for Copper and Copper Alloy Forging Stock and Forgings

Group - Non-Ferrous Copper Alloy

Sub Group - IS 6912 Copper and Copper Alloy Forging Stock and Forgings

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Lead	Pb %	0.100 max.
Tin	Sn %	0.100 max.
Iron	Fe %	0.300 - 1.000
Aluminium	Al %	3.500 - 4.500
Manganese	Mn %	0.150 max.
Nickel	Ni %	2.000 - 3.000
Silicon	Si %	0.750 - 1.250
Cobalt	Co %	0.500 - 1.500
Other	Ot%	0.750 max.
Copper	Cu %	59.000 - 62.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw

Mechanical Properties	
Tensile Strength in Mpa	635 min.
Yield Strength in Mpa	-
Elongation in %	2 min.
Reduction of Area in %	-
Hardness in HRB	95 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com