GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - EN 1982 CB766S

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - EN 1982 Copper and Copper Alloys - Ingots and Castings

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition		
Aluminium	Al %	0.600 - 1.800
Iron	Fe %	0.400 max.
Manganese	Mn %	0.400 max.
Nickel	Ni %	1.800 max.
Phosphorus	P %	0.020 max.
Lead	Pb %	0.400 max.
Antimony	Sb %	0.050 max.
Silicon	Si %	0.500 max.
Tin	Sn %	0.400 max.
Cu + Ni	Cu%+Ni%	60.000 - 63.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	170 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HB	105 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
CC766S	BS	British	Ingot and Casting
CB766S	BDS	Bulgaria	Ingot and Casting
CB766S	CSN	Czech Republic	Ingot and Casting
CB766S	DIN	Germany	Ingot and Casting
CuZn37Al1-B	AFNOR NF	France	Ingot and Casting
CuZn37Al1-B	UNE	Spain	Ingot and Casting
CuZn37Al1-B	UNI	Italy	Ingot and Casting

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