



Material - BS EN 1982 CuZn37Al1-C (CC766S)

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Antimony	Sb %	0.100 max.	As-Cast	
Tin	Sn %	0.500 max.		
Silicon	Si %	0.600 max.		
Lead	Pb %	0.500 max.		
Manganese	Mn %	0.500 max.		
Iron	Fe %	0.500 max.		
Nickel	Ni %	2.000 max.		
Aluminium	Al %	0.300 - 1.800		
Copper	Cu %	60.000 - 64.000		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	450 min.
-	-	-	Yield Strength in Mpa	170 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HBW	105 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB766S	EN	European Union	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

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