



Material - AFNOR NF EN 1982 CuZn37Al1-B

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - AFNOR NF 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			Heat Treatment	
Aluminium	Al %	0.600 - 1.800	As-Cast	
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.	Mechanical Properties	
Cu + Ni	Cu%+Ni%	60.000 - 63.000	Tensile Strength in Mpa	450 min.
Zinc	Zn %	Balance	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	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	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

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.