

# Material: ONORM EN 1982 CuZn37Al1-C

## Standard Specification for Copper and Copper Alloys - Ingots and Castings

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ONORM 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 %	0.300 - 1.800
Iron	Fe %	0.500 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	2.000 max.
Lead	Pb %	0.500 max.
Antimony	Sb %	0.100 max.
Silicon	Si %	0.600 max.
Tin	Sn %	0.500 max.
Cu + Ni	Cu%+Ni%	60.000 - 64.000
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
CB766S	BS	British	Ingot and Casting
CC766S	AFNOR NF	France	Ingot and Casting
CC766S	BDS	Bulgaria	Ingot and Casting
CC766S	CSN	Czech Republic	Ingot and Casting
CC766S	SFS	Finland	Ingot and Casting
CuZn37Al1-C	MSZ	Hungary	Ingot and Casting
CuZn37Al1-C	UNI	Italy	Ingot and Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



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