

# 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			Heat Treatment	
Aluminium	Al %	0.300 - 1.800	As-Cast	
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	Mechanical Properties	
Zinc	Zn %	Balance	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

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