

# Material: CSN EN 1982 CuZn39Pb1Al-C

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

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** CSN 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 %	0.800 max.	As-Cast	
Iron	Fe %	0.700 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	1.000 max.		
Phosphorus	P %	0.020 max.		
Lead	Pb %	0.500 - 2.500		
Silicon	Si %	0.050 max.		
Tin	Sn %	1.000 max.		
Cu + Ni	Cu%+Ni%	58.000 - 63.000	Mechanical Properties	
Zinc	Zn %	Balance	Tensile Strength in Mpa	220 - 350
-	-	-	Yield Strength in Mpa	80 - 250
-	-	-	Elongation in %	3 - 15
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	65 - 110
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB754S	BS	British	Ingot and Casting
CC754S	AFNOR NF	France	Ingot and Casting
CC754S	ONORM	Australia	Ingot and Casting
CC754S	UNI	Italy	Ingot and Casting
CC754S	BS	British	Ingot and Casting
CuZn39Pb1Al-C	UNE	Spain	Ingot and Casting
CuZn39Pb1Al-C	MSZ	Hungary	Ingot and Casting

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