



## Material - CSN EN 1982 CuZn39Pb1AIB-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 %	0.400 - 0.700	As-Cast	
Iron	Fe %	0.050 - 0.200		
Manganese	Mn %	0.050 max.		
Nickel	Ni %	0.200 max.		
Lead	Pb %	1.200 - 1.700		
Silicon	Si %	0.050 max.		
Tin	Sn %	0.300 max.		
Copper	Cu %	59.500 - 61.000		
Zinc	Zn %	Balance	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	310 - 350
-	-	-	Yield Strength in Mpa	180 - 210
-	-	-	Elongation in %	3 - 13
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	90 - 100
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB755S	BS	British	Ingot and Casting
CC755S	DIN	Germany	Ingot and Casting
CC755S	MSZ	Hungary	Ingot and Casting
CC755S	UNI	Italy	Ingot and Casting
CC755S	AFNOR NF	France	Ingot and Casting
CuZn39Pb1AIB-C	UNE	Spain	Ingot and Casting
CuZn39Pb1AIB-C	MSZ	Hungary	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](mailto:marketing@gravitycastindia.com)**

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