



## Material - CSN EN 1982 CB493K

**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 %	0.010 max.	As-Cast	
Iron	Fe %	0.200 max.		
Nickel	Ni %	2.000 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	5.200 - 8.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.300 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	6.200 - 8.000	Mechanical Properties	
Zinc	Zn %	2.300 - 5.000	Tensile Strength in Mpa	260 min.
Cu + Ni	Cu%+Ni%	81.000 - 84.500	Yield Strength in Mpa	120 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	70 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC493K	BS	British	Tube
CB493K	ONORM	Australia	Ingot and Casting
CuSn7Zn4Pb7-B	UNE	Spain	Ingot and Casting
CuSn7Zn4Pb7-B	SFS	Finland	Ingot and Casting
CB493K	AFNOR NF	France	Ingot and Casting
CuSn7Zn4Pb7-B	DIN	Germany	Ingot and Casting
CB493K	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](mailto:marketing@gravitycastindia.com)**

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