



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - ONORM EN 1982 CB493K

**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 %	0.010 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
CuSn7Zn4Pb7-B	UNE	Spain	Ingot and Casting
CB493K	CSN	Czech Republic	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)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**