

# Material: BDS EN 1982 CuSn7Zn4Pb7-C

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

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** BDS 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		
Aluminium	Al %	0.010 max.
Iron	Fe %	0.200 max.
Nickel	Ni %	2.000 max.
Phosphorus	P %	0.100 max.
Lead	Pb %	5.000 - 8.000
Sulphur	S %	0.100 max.
Antimony	Sb %	0.300 max.
Silicon	Si %	0.010 max.
Tin	Sn %	6.000 - 8.000
Zinc	Zn %	2.000 - 5.000
Cu + Ni	Cu%+Ni%	81.000 - 85.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	230 - 260
Yield Strength in Mpa	120 min.
Elongation in %	12 - 15
Reduction of Area in %	-
Hardness in HB	60 - 70
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB493K	BS	British	Tube
CC493K	BDS	Bulgaria	Ingot and Casting
CC493K	UNI	Italy	Ingot and Casting
CuSn7Zn4Pb7-C	UNI	Italy	Ingot and Casting
CC493K	CSN	Czech Republic	Ingot and Casting
CuSn7Zn4Pb7-C	SFS	Finland	Ingot and Casting
CuSn7Zn4Pb7-C	AFNOR NF	France	Ingot and Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

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



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India