

# Material: SFS CuSn7Zn4Pb7-C

## Standard Specification for Copper and Copper Alloy Castings

**Group:** Non Ferrous Copper Alloys

**Sub Group:** SFS CuSn7Zn4Pb7-C Copper and Copper Alloy Castings

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries

**Grade Belongs to the Industry:** Casting

Chemical Composition		
Silicon	Si %	0.010 max.
Lead	Pb %	5.000 - 8.000
Iron	Fe %	0.200 max.
Tin	Sn %	6.000 - 8.000
Zinc	Zn %	2.000 - 5.000
Nickel	Ni %	2.000 max.
Aluminium	Al %	0.010 max.
Sulphur	S %	0.100 max.
Antimony	Sb %	0.300 max.
Nickel	Ni %	2.000 max.
Cu + Ni	Cu% + Ni%	81.000 - 85.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Cast

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

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuSn7Zn4Pb7-C	DIN	Germany	Casting
CuSn7Zn4Pb7-C	ONORM	Australia	Casting
CC493K	ONORM	Australia	Casting
CuSn7Zn4Pb7-C	BDS	Bulgaria	Casting
CC493K	BDS	Bulgaria	Casting
CuSn7Zn4Pb7-C	CSN	Czech Republic	Casting
CuSn7Zn4Pb7-C	MSZ	Hungary	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