

# Material: CSN CuSn7Zn4Pb7-C

## Standard Specification for Copper and Copper Alloy Castings

**Group:** Non Ferrous Copper Alloys

**Sub Group:** CSN 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	SFS	Finland	Casting
CuSn7Zn4Pb7-C	MSZ	Hungary	Casting

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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