



## Material - MSZ CuSn7Zn4Pb7-C

### Standard Specification for Copper and Copper Alloy Castings

Group - Non Ferrous Copper Alloys

Sub Group - MSZ 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			Heat Treatment	
Silicon	Si %	0.010 max.	As Cast	
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	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	CSN	Czech Republic	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +91846916029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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