

# Material: BDS CuSn7Zn4Pb7-C

## Standard Specification for Copper and Copper Alloy Castings

**Group:** Non Ferrous Copper Alloys

**Sub Group:** BDS 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	<b>Mechanical Properties</b> 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
CC493K	BDS	Bulgaria	Casting
CuSn7Zn4Pb7-C	SFS	Finland	Casting
CuSn7Zn4Pb7-C	CSN	Czech Republic	Casting
CuSn7Zn4Pb7-C	MSZ	Hungary	Casting

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