

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		
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
CC493K	BDS	Bulgaria	Casting
CuSn7Zn4Pb7-C	SFS	Finland	Casting
CuSn7Zn4Pb7-C	CSN	Czech Republic	Casting
CuSn7Zn4Pb7-C	MSZ	Hungary	Casting

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