

# Material: BDS EN 1982 CC493K

## Standard Specification for Copper and Copper Alloys - Ingots and Castings

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** BDS EN 1982 Copper and Copper Alloys - Ingots and Castings

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

**Belongs to the Industry:** Ingot and Casting

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

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	230 - 260
Yield Strength in Mpa	120 min.
Elongation in %	12 - 15
Reduction of Area in %	-
Hardness in HB	60 - 70
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB493K	BS	British	Tube
CuSn7Zn4Pb7-C	BDS	Bulgaria	Ingot and Casting
CC493K	UNI	Italy	Ingot and Casting
CuSn7Zn4Pb7-C	UNI	Italy	Ingot and Casting
CC493K	CSN	Czech Republic	Ingot and Casting
CuSn7Zn4Pb7-C	SFS	Finland	Ingot and Casting
CuSn7Zn4Pb7-C	AFNOR NF	France	Ingot and Casting

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