

Material: BS CB493K

Standard Specification for Copper and Copper Alloy Ingot and Castings

Group: Non Ferrous Copper Alloys

Sub Group: BS CB493K Copper and Copper Alloy Ingot and Castings

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

Grade Belongs to the Industry: Ingot and Casting

Chemical Composition		
Silicon	Si %	0.010 max.
Lead	Pb %	5.200 - 8.000
Iron	Fe %	0.200 max.
Tin	Sn %	6.200 - 8.000
Zinc	Zn %	2.300 - 5.000
Nickel	Ni %	2.000 max.
Aluminium	Al %	0.010 max.
Sulphur	S %	0.080 max.
Antimony	Sb %	0.300 max.
Phosphorus	P %	0.030 max.
Cu + Ni	Cu% + Ni%	81.000 - 85.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Cast

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuSn7Zn4Pb7-B	DIN	Germany	Ingot and Casting
CB493K	ONORM	Australia	Ingot and Casting
CB493K	UNI	Italy	Ingot and Casting
CuSn7Zn4Pb7-B	UNI	Italy	Ingot and Casting
CuSn7Zn4Pb7-B	BS	British	Ingot and Casting
CB493K	PN	Poland	Ingot and Casting
CuSn7Zn4Pb7-B	PN	Poland	Ingot and Casting

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