

## Material: PN CB493K

### Standard Specification for Copper and Copper Alloy Ingot and Castings

**Group:** Non Ferrous Copper Alloys

**Sub Group:** PN 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			Heat Treatment	
Silicon	Si %	0.010 max.	As Cast	
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	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	BS	British	Ingot and Casting
CuSn7Zn4Pb7-B	PN	Poland	Ingot and Casting

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