

# Material: ONORM EN 1982 CB493K

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

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ONORM 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			Heat Treatment	
Aluminium	Al %	0.010 max.	As-Cast	
Iron	Fe %	0.200 max.		
Nickel	Ni %	2.000 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	5.200 - 8.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.300 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	6.200 - 8.000		
Zinc	Zn %	2.300 - 5.000	<b>Mechanical Properties</b> Tensile Strength in Mpa 260 min. Yield Strength in Mpa 120 min. Elongation in % 12 min. Reduction of Area in % - Hardness in HB 70 min. Impact in Joule -	
Cu + Ni	Cu%+Ni%	81.000 - 84.500		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC493K	BS	British	Tube
CuSn7Zn4Pb7-B	UNE	Spain	Ingot and Casting
CB493K	CSN	Czech Republic	Ingot and Casting
CuSn7Zn4Pb7-B	SFS	Finland	Ingot and Casting
CB493K	AFNOR NF	France	Ingot and Casting
CuSn7Zn4Pb7-B	DIN	Germany	Ingot and Casting
CB493K	UNI	Italy	Ingot and Casting

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