

## Material: AFNOR NF EN 1982 CB490K

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

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** AFNOR NF 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 %	0.500 max.		
Nickel	Ni %	2.000 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	3.500 - 5.800		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.250 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	2.200 - 3.500	<b>Mechanical Properties</b> Tensile Strength in Mpa 180 - 220 Yield Strength in Mpa 85 - 100 Elongation in % 12 - 15 Reduction of Area in % - Hardness in HB 60 - 70 Impact in Joule -	
Zinc	Zn %	7.500 - 10.000		
Cu + Ni	Cu%+Ni%	81.000 - 85.500		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC490K	BS	British	Ingot and Casting
CB490K	DIN	Germany	Ingot and Casting
CuSn3Zn8Pb5-B	DIN	Germany	Ingot and Casting
CB490K	EN	European Union	Ingot and Casting
CuSn3Zn8Pb5-B	EN	European Union	Ingot and Casting
CuSn3Zn8Pb5-B	AFNOR NF	France	Ingot and Casting
CB490K	UNI	Italy	Ingot and Casting

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