

# Material: EN 1982 CB490K

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

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** 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 %	0.500 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
Zinc	Zn %	7.500 - 10.000
Cu + Ni	Cu%+Ni%	81.000 - 85.500
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
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	-

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
CuSn3Zn8Pb5-B	EN	European Union	Ingot and Casting
CB490K	AFNOR NF	France	Ingot and Casting
CuSn3Zn8Pb5-B	AFNOR NF	France	Ingot and Casting
CB490K	UNI	Italy	Ingot and Casting

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