

# Material: BS EN 1982 CuSn3Zn8Pb5-B (CB490K)

## Standard Specification for Copper and Copper Alloys - Ingot and Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

**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.
Sulphur	S %	0.100 max.
Antimony	Sb %	0.300 max.
Sulphur	S %	0.050 max.
Antimony	Sb %	0.100 max.
Silicon	Si %	0.010 max.
Nickel	Ni %	2.000 max.
Phosphorus	P %	0.050 max.
Lead	Pb %	3.000 - 6.000
Tin	Sn %	2.000 - 3.500
Zinc	Zn %	7.000 - 9.500
Copper	Cu %	81.000 - 86.000
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	180 min.
Yield Strength in Mpa	85 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HBW	60 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC490K	UNI	Italy	Ingot and Casting
CuSn3Zn8Pb5-C	UNI	Italy	Ingot and Casting
CC490K	MSZ	Hungary	Ingot and Casting
CuSn3Zn8Pb5-C	MSZ	Hungary	Ingot and Casting
CC490K	AFNOR NF	France	Ingot and Casting
CuSn3Zn8Pb5-C	AFNOR NF	France	Ingot and Casting
CC490K	SFS	Finland	Ingot and Casting

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India