

## 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			Heat Treatment	
Aluminium	Al %	0.010 max.	As-Cast	
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	Mechanical Properties	
Tin	Sn %	2.000 - 3.500	Tensile Strength in Mpa	180 min.
Zinc	Zn %	7.000 - 9.500	Yield Strength in Mpa	85 min.
Copper	Cu %	81.000 - 86.000	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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