



## Material - DIN EN 1982 CB490K

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

**Group - Non-Ferrous Copper Alloy**

**Sub Group - DIN 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	Mechanical Properties	
Zinc	Zn %	7.500 - 10.000	Tensile Strength in Mpa	180 - 220
Cu + Ni	Cu%+Ni%	81.000 - 85.500	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
CuSn3Zn8Pb5-B	DIN	Germany	Ingot and Casting
CB490K	EN	European Union	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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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