



## Material - AFNOR NF EN 1982 CC491K

**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 %	0.300 max.		
Nickel	Ni %	2.000 max.		
Phosphorus	P %	0.100 max.		
Lead	Pb %	4.000 - 6.000		
Sulphur	S %	0.100 max.		
Antimony	Sb %	0.250 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	4.000 - 6.000		
Zinc	Zn %	4.000 - 6.000		
Cu + Ni	Cu%+Ni%	83.000 - 87.000	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	200 - 250
-	-	-	Yield Strength in Mpa	90 - 110
-	-	-	Elongation in %	6 - 13
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	60 - 65
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB491K	BS	British	Ingot and Casting
CC491K	DIN	Germany	Ingot and Casting
CuSn5Zn5Pb5-C	DIN	Germany	Ingot and Casting
CC491K	MSZ	Hungary	Ingot and Casting
CuSn5Zn5Pb5-C	MSZ	Hungary	Ingot and Casting
CuSn5Zn5Pb5-C	AFNOR NF	France	Ingot and Casting
CC491K	UNE	Spain	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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