

Material: UNE EN 1982 CC491K

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: UNE 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 %	0.300 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
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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
CC491K	AFNOR NF	France	Ingot and Casting
CuSn5Zn5Pb5-C	AFNOR NF	France	Ingot and Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



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