



Material - DIN EN 1982 CB491K

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 %	0.250 max.		
Nickel	Ni %	2.000 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	4.200 - 5.800		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.250 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	4.200 - 6.000	Mechanical Properties	
Zinc	Zn %	4.500 - 6.500	Tensile Strength in Mpa	250 min.
Cu + Ni	Cu%+Ni%	83.000 - 86.500	Yield Strength in Mpa	110 min.
-	-	-	Elongation in %	13 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	65 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC491K	BS	British	Ingot and Casting
CB491K	UNE	Spain	Ingot and Casting
CuSn5Zn5Pb5-B	UNE	Spain	Ingot and Casting
CB491K	CSN	Czech Republic	Ingot and Casting
CuSn5Zn5Pb5-B	CSN	Czech Republic	Ingot and Casting
CB491K	UNI	Italy	Ingot and Casting
CuSn5Zn5Pb5-B	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

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