



Material - BS EN 1982 CuSn5Zn5Pb2-C (CC491K)

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	
Arsenic	As %	0.030 max.		
Bismuth	Bi %	0.020 max.		
Cadmium	Cd %	0.020 max.		
Chromium	Cr %	0.020 max.		
Iron	Fe %	0.300 max.		
Sulphur	S %	0.040 max.		
Antimony	Sb %	0.100 max.		
Silicon	Si %	0.010 max.		
Nickel	Ni %	0.600 max.		
Phosphorus	P %	0.040 max.	Mechanical Properties	
Lead	Pb %	3.000 max.	Tensile Strength in Mpa	200 min.
Zinc	Zn %	4.000 - 6.000	Yield Strength in Mpa	90 min.
Tin	Sn %	4.000 - 6.000	Elongation in %	13 min.
Copper	Cu %	84.000 - 88.000	Reduction of Area in %	-
			Hardness in HBW	60 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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
CB491K	DIN	Germany	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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