



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 1982 CuSn5Zn5Pb2-B (CB499K)

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
CC499K	ONORM	Australia	Ingot and Casting
CuSn5Zn5Pb2-C	ONORM	Australia	Ingot and Casting
CC499K	BDS	Bulgaria	Ingot and Casting
CuSn5Zn5Pb2-C	BDS	Bulgaria	Ingot and Casting
CC499K	CSN	Czech Republic	Ingot and Casting
CuSn5Zn5Pb2-C	CSN	Czech Republic	Ingot and Casting
CC499K	SFS	Finland	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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