



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BDS EN 1982 CC499K

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - BDS 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	
Arsenic	As %	0.020 max.		
Bismuth	Bi %	0.020 max.		
Cadmium	Cd %	0.020 max.		
Chromium	Cr %	0.020 max.		
Iron	Fe %	0.300 max.		
Nickel	Ni %	0.100 - 0.600		
Phosphorus	P %	0.040 max.		
Lead	Pb %	0.200 - 3.000		
Sulphur	S %	0.040 max.		
Antimony	Sb %	0.100 max.	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 -	
Silicon	Si %	0.010 max.		
Tin	Sn %	4.000 - 6.000		
Zinc	Zn %	4.000 - 6.000		
Copper	Cu %	84.000 - 88.000		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB499K	BS	British	Ingot and Casting
CC499K	ONORM	Australia	Ingot and Casting
CuSn5Zn5Pb2-C	ONORM	Australia	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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