



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BDS EN 1982 CuSn7Zn4Pb7-C

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	
Iron	Fe %	0.200 max.		
Nickel	Ni %	2.000 max.		
Phosphorus	P %	0.100 max.		
Lead	Pb %	5.000 - 8.000		
Sulphur	S %	0.100 max.		
Antimony	Sb %	0.300 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	6.000 - 8.000	Mechanical Properties	
Zinc	Zn %	2.000 - 5.000	Tensile Strength in Mpa	230 - 260
Cu + Ni	Cu%+Ni%	81.000 - 85.000	Yield Strength in Mpa	120 min.
-	-	-	Elongation in %	12 - 15
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	60 - 70
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB493K	BS	British	Tube
CC493K	BDS	Bulgaria	Ingot and Casting
CC493K	UNI	Italy	Ingot and Casting
CuSn7Zn4Pb7-C	UNI	Italy	Ingot and Casting
CC493K	CSN	Czech Republic	Ingot and Casting
CuSn7Zn4Pb7-C	SFS	Finland	Ingot and Casting
CuSn7Zn4Pb7-C	AFNOR NF	France	Ingot and Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +91846916029, 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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