GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN 1705 G-CuSn2ZnPb (2.1098.01)

Standard Specification for Copper-Tin and Copper-Tin-Zinc Casting Alloys

Group - Non-Ferrous Copper Alloys

Sub Group - DIN 1705 G-CuSn2ZnPb (2.1098.01) Copper-Tin and Copper-Tin-Zinc Casting Alloys

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Casting

Chemical Composition		
Tin	Sn %	1.500 - 3.000
Zinc	Zn %	7.000 - 9.000
Lead	Pb %	4.000 - 6.000
Nickel	Ni %	1.500 - 2.500
Antimony	Sb %	0.250 max.
Other	Ot %	0.500 max.
Iron	Fe %	0.300 max.
Phosphorus	P %	0.050 max.
Sulphur	S %	0.100 max.
Copper	Cu %	80.000 - 85.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	210 min.
Proof Strength in Mpa	-
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	60 min.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 1982 CuSn3Zn8Pb5-B	UNI	Italy	Ingots and Casting
EN 1982 CB4910K	UNI	Italy	Ingots and Casting
EN 1982 CuSn3Zn8Pb5-C	UNI	Italy	Ingots and Casting
EN 1982 CC490K	UNI	Italy	Ingots and Casting
1982 CuSn3Zn8Pb5-B	EN	European Union	Ingots and Casting
1982 CB490K	EN	European Union	Ingots and Casting
1982 CuSn3Zn8Pb5-C	EN	European Union	Ingots 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.