



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 1982 CuSn7Pb20-B (CB497K)

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	
Iron	Fe %	0.250 max.		
Manganese	Mn %	0.200 max.		
Sulphur	S %	0.100 max.		
Antimony	Sb %	0.750 max.		
Silicon	Si %	0.010 max.		
Nickel	Ni %	0.500 - 2.000		
Phosphorus	P %	0.100 max.		
Lead	Pb %	18.000 - 23.000	Mechanical Properties	
Zinc	Zn %	2.000 max.	Tensile Strength in Mpa	150 min.
Tin	Sn %	4.000 - 6.000	Yield Strength in Mpa	70 min.
Cu + Ni	Cu%+Ni%	70.000 - 78.000	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HBW	45 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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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.

ONE STOP SOLUTION FOR METAL PARTS