



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - BS EN 1982 CuSn10-C (CC480K)

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			
Nickel	Ni %	2.000 max.	As-Cast			
Phosphorus	P %	0.200 max.				
Lead	Pb %	0.100 max.				
Aluminium	Al %	0.010 max.				
Iron	Fe %	0.200 max.				
Manganese	Mn %	0.100 max.				
Sulphur	S %	0.050 max.				
Antimony	Sb %	0.200 max.				
Zinc	Zn %	0.500 max.				
Tin	Sn %	9.000 - 11.000				
Cu + Ni	Cu%+Ni%	88.000 - 90.000				
-	-	-	<b>Mechanical Properties</b>			
-	-	-			Tensile Strength in Mpa	250 min.
-	-	-			Yield Strength in Mpa	130 min.
-	-	-			Elongation in %	18 min.
-	-	-			Reduction of Area in %	-
-	-	-	Hardness in HBW	70 min.		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB480K	AFNOR NF	France	Ingot and Casting
CB480K	DIN	Germany	Ingot and Casting
CB480K	BDS	Bulgaria	Ingot and Casting
CuSn10-B	ONORM	Australia	Ingot and Casting
CuSn10-B	UNI	Italy	Ingot and Casting
CuSn10-B	MSZ	Hungary	Ingot and Casting
CuSn10-B	UNE	Spain	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](mailto: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**