



## Material - BDS EN 1982 CB482K

### 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.		
Manganese	Mn %	0.200 max.		
Nickel	Ni %	2.000 max.		
Phosphorus	P %	0.400 max.		
Lead	Pb %	0.700 - 2.500		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	10.500 - 12.500		
Zinc	Zn %	2.000 max.	<b>Mechanical Properties</b> Tensile Strength in Mpa      240 - 280 Yield Strength in Mpa      130 - 150 Elongation in %      5 min. Reduction of Area in %      - Hardness in HB      80 - 90 Impact in Joule      -	
Cu + Ni	Cu%+Ni%	83.500 - 87.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC482K	BS	British	Ingot and Casting
CB482K	AFNOR NF	France	Ingot and Casting
CB482K	ONORM	Australia	Ingot and Casting
CB482K	UNI	Italy	Ingot and Casting
CuSn11Pb2-B	DIN	Germany	Ingot and Casting
CuSn11Pb2-B	UNE	Spain	Ingot and Casting
CuSn11Pb2-B	MSZ	Hungary	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)**

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