



## Material - AFNOR NF EN 1982 CuSn10-C

### Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - AFNOR NF 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 %	0.100 max.		
Nickel	Ni %	2.000 max.		
Phosphorus	P %	0.200 max.		
Lead	Pb %	1.000 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.020 max.		
Tin	Sn %	9.000 - 11.000		
Zinc	Zn %	0.500 max.	<b>Mechanical Properties</b> Tensile Strength in Mpa      250 - 326 Yield Strength in Mpa      130 - 170 Elongation in %      10 - 45.6 Reduction of Area in %      - Hardness in HB      70 - 80 Impact in Joule      48.4 - 49.9 @ RT	
Cu + Ni	Cu%+Ni%	88.000 - 90.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB480K	BS	British	Ingot and Casting
CC480K	ONORM	Australia	Ingot and Casting
CC480K	EN	European Union	Ingot and Casting
CC480K	DIN	Germany	Ingot and Casting
CC480K	BDS	Bulgaria	Ingot and Casting
CuSn10-C	UNE	Spain	Ingot and Casting
CuSn10-C	UNI	Italy	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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