



## Material - UNI EN 1982 CuSn11P-C

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

Group - Non-Ferrous Copper Alloy

Sub Group - UNI 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 %	0.100 max.		
Manganese	Mn %	0.050 max.		
Nickel	Ni %	0.100 max.		
Phosphorus	P %	0.500 - 1.000		
Lead	Pb %	0.250 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.050 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	10.000 - 11.500		
Zinc	Zn %	0.050 max.	Mechanical Properties	
Cu + Ni	Cu%+Ni%	87.000 - 89.500	Tensile Strength in Mpa	250 - 350
-	-	-	Yield Strength in Mpa	130 - 170
-	-	-	Elongation in %	2 - 5
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	60 - 85
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB481K	BS	British	Ingot and Casting
CC481K	ONORM	Australia	Ingot and Casting
CC481K	AFNOR NF	France	Ingot and Casting
CC481K	BDS	Bulgaria	Ingot and Casting
CC481K	DIN	Germany	Ingot and Casting
CuSn11P-C	MSZ	Hungary	Ingot and Casting
CuSn11P-C	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)**

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