

## Material: MSZ EN 1982 CuSn12-C

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

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** MSZ 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 %	0.600 max.		
Lead	Pb %	0.700 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.150 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	11.000 - 13.000		
Zinc	Zn %	0.500 max.	<b>Mechanical Properties</b> Tensile Strength in Mpa 260 - 300 Yield Strength in Mpa 140 - 150 Elongation in % 5 - 7 Reduction of Area in % - Hardness in HB 80 - 90 Impact in Joule -	
Cu + Ni	Cu%+Ni%	85.000 - 88.500		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB483K	BS	British	Ingot and Casting
CC483K	AFNOR NF	France	Ingot and Casting
CC483K	ONORM	Australia	Ingot and Casting
CC483K	BDS	Bulgaria	Ingot and Casting
CC483K	UNI	Italy	Ingot and Casting
CuSn12-C	DIN	Germany	Ingot and Casting
CuSn12-C	UNE	Spain	Ingot and Casting

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