

# Material: UNE EN 1982 CuSn10-B

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

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** UNE 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		
Aluminium	Al %	0.010 max.
Iron	Fe %	0.150 max.
Manganese	Mn %	0.100 max.
Nickel	Ni %	1.800 max.
Phosphorus	P %	0.050 max.
Lead	Pb %	0.800 max.
Sulphur	S %	0.040 max.
Antimony	Sb %	0.150 max.
Silicon	Si %	0.010 max.
Tin	Sn %	9.300 - 11.000
Zinc	Zn %	0.500 max.
Cu + Ni	Cu%+Ni%	88.500 - 90.500
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
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

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC480K	BS	British	Ingot and Casting
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

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