

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 | | | Heat Treatment | |
|----------------------|---------|-----------------|-------------------------|------------------|
| Aluminium | Al % | 0.010 max. | As-Cast | |
| 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 | Mechanical Properties | |
| Zinc | Zn % | 0.500 max. | Tensile Strength in Mpa | 250 - 326 |
| Cu + Ni | Cu%+Ni% | 88.500 - 90.500 | 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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