



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BDS EN 1982 CC480K

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - BDS 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. | 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 | |
| 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 |
| CuSn10-C | AFNOR NF | France | 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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS