



Material - AFNOR NF EN 1982 CC766S

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - AFNOR NF 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 % | 0.300 - 1.800 | As-Cast | |
| Iron | Fe % | 0.500 max. | | |
| Manganese | Mn % | 0.500 max. | | |
| Nickel | Ni % | 2.000 max. | | |
| Lead | Pb % | 0.500 max. | | |
| Antimony | Sb % | 0.100 max. | | |
| Silicon | Si % | 0.600 max. | | |
| Tin | Sn % | 0.500 max. | | |
| Cu + Ni | Cu%+Ni% | 60.000 - 64.000 | | |
| Zinc | Zn % | Balance | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 450 min. |
| - | - | - | Yield Strength in Mpa | 170 min. |
| - | - | - | Elongation in % | 25 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HB | 105 min. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CB766S | BS | British | Ingot and Casting |
| CC766S | BDS | Bulgaria | Ingot and Casting |
| CC766S | CSN | Czech Republic | Ingot and Casting |
| CC766S | SFS | Finland | Ingot and Casting |
| CuZn37Al1-C | ONORM | Australia | Ingot and Casting |
| CuZn37Al1-C | MSZ | Hungary | Ingot and Casting |
| CuZn37Al1-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

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