



Material - AFNOR NF EN 1982 CuSn12Ni2-C

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 % | 0.010 max. | As-Cast | |
| Iron | Fe % | 0.200 max. | | |
| Manganese | Mn % | 0.200 max. | | |
| Nickel | Ni % | 1.500 - 2.500 | | |
| Phosphorus | P % | 0.050 - 0.400 | | |
| Lead | Pb % | 0.300 max. | | |
| Sulphur | S % | 0.050 max. | | |
| Antimony | Sb % | 0.100 max. | | |
| Silicon | Si % | 0.010 max. | | |
| Tin | Sn % | 11.000 - 13.000 | | |
| Zinc | Zn % | 0.400 max. | Mechanical Properties Tensile Strength in Mpa 280 - 300 Yield Strength in Mpa 160 - 180 Elongation in % 8 - 12 Reduction of Area in % - Hardness in HB 85 - 95 Impact in Joule - | |
| Cu + Ni | Cu%+Ni% | 84.500 - 87.500 | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|----------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CB484K | BS | British | Ingot and Casting |
| CC484K | AFNOR NF | France | Ingot and Casting |
| CC484K | BDS | Bulgaria | Ingot and Casting |
| CuSn12Ni2-C | BDS | Bulgaria | Ingot and Casting |
| CC484K | DIN | Germany | Ingot and Casting |
| CuSn12Ni2-C | DIN | Germany | Ingot and Casting |
| CuSn12Ni2-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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