



Material - UNI EN 1982 CuZn34Mn3Al2Fe1-B

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - UNI 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 % | 1.500 - 3.000 | As-Cast | |
| Iron | Fe % | 0.800 - 2.000 | | |
| Manganese | Mn % | 1.000 - 3.500 | | |
| Nickel | Ni % | 2.700 max. | | |
| Phosphorus | P % | 0.020 max. | | |
| Lead | Pb % | 0.200 max. | | |
| Antimony | Sb % | 0.050 max. | | |
| Silicon | Si % | 0.080 max. | | |
| Tin | Sn % | 0.300 max. | Mechanical Properties | |
| Cu + Ni | Cu%+Ni% | 55.000 - 65.000 | Tensile Strength in Mpa | 600 - 620 |
| Zinc | Zn % | Balance | Yield Strength in Mpa | 250 - 260 |
| - | - | - | Elongation in % | 10 - 15 |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HB | 140 - 150 |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CC764S | BS | British | Ingot and Casting |
| CB764S | AFNOR NF | France | Ingot and Casting |
| CB764S | BDS | Bulgaria | Ingot and Casting |
| CB764S | CSN | Czech Republic | Ingot and Casting |
| CB764S | DIN | Germany | Ingot and Casting |
| CuZn34Mn3Al2Fe1-B | UNE | Spain | Ingot and Casting |
| CuZn34Mn3Al2Fe1-B | MSZ | Hungary | 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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