



Material - MSZ EN 1982 CuZn35Mn2Al1Fe1-C

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - MSZ 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 % | 0.500 - 2.500 | As-Cast | |
| Iron | Fe % | 0.500 - 2.000 | | |
| Manganese | Mn % | 0.500 - 3.000 | | |
| Nickel | Ni % | 6.000 max. | | |
| Phosphorus | P % | 0.030 max. | | |
| Lead | Pb % | 0.500 max. | | |
| Antimony | Sb % | 0.080 max. | | |
| Silicon | Si % | 0.010 max. | | |
| Tin | Sn % | 1.000 max. | Mechanical Properties | |
| Cu + Ni | Cu%+Ni% | 57.000 - 65.000 | Tensile Strength in Mpa | 450 - 500 |
| Zinc | Zn % | Balance | Yield Strength in Mpa | 170 - 200 |
| - | - | - | Elongation in % | 18 - 20 |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HB | 110 - 120 |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CB765S | BS | British | Ingot and Casting |
| CC765S | AFNOR NF | France | Ingot and Casting |
| CC765S | BDS | Bulgaria | Ingot and Casting |
| CC765S | CSN | Czech Republic | Ingot and Casting |
| CC765S | DIN | Germany | Ingot and Casting |
| CuZn35Mn2Al1Fe1-C | UNI | Italy | Ingot and Casting |
| CuZn35Mn2Al1Fe1-C | UNE | Spain | 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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