



Material - BS EN 1982 CuZn38Al1-C (CC767S)

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Ingot and Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|-------------------------|----------|
| Tin | Sn % | 0.100 max. | As-Cast | |
| Silicon | Si % | 0.200 max. | | |
| Lead | Pb % | 0.100 max. | | |
| Manganese | Mn % | 0.500 max. | | |
| Iron | Fe % | 0.500 max. | | |
| Nickel | Ni % | 1.000 max. | | |
| Aluminium | Al % | 0.100 - 0.800 | | |
| Copper | Cu % | 59.000 - 64.000 | | |
| Zinc | Zn % | Balance | | |
| - | - | - | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 380 min. |
| - | - | - | Yield Strength in Mpa | 130 min. |
| - | - | - | Elongation in % | 30 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HBW | 75 min. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CB767S | UNI | Italy | Ingot and Casting |
| CB767S | MSZ | Hungary | Ingot and Casting |
| CB767S | DIN | Germany | Ingot and Casting |
| CB767S | AFNOR NF | France | Ingot and Casting |
| CuZn38Al-B | ONORM | Australia | Ingot and Casting |
| CuZn38Al-B | EN | European Union | Ingot and Casting |
| CuZn38Al-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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