



## Material - BS EN 1982 CuZn35Pb2Al-B (CB752S)

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          |          |
|----------------------|------|-----------------|-------------------------|----------|
| Arsenic              | As % | 0.040 - 0.140   | As-Cast                 |          |
| Lead                 | Pb % | 2.200 max.      |                         |          |
| Antimony             | Sb % | 0.1400 max.     |                         |          |
| Iron                 | Fe % | 0.300 max.      |                         |          |
| Manganese            | Mn % | 0.100 max.      |                         |          |
| Nickel               | Ni % | 0.200 max.      |                         |          |
| Silicon              | Si % | 0.020 max.      |                         |          |
| Tin                  | Sn % | 0.300 max.      |                         |          |
| Copper               | Cu % | 61.500 - 64.500 |                         |          |
| Zinc                 | Zn % | Balance         | Mechanical Properties   |          |
| -                    | -    | -               | Tensile Strength in Mpa | 280 min. |
| -                    | -    | -               | Yield Strength in Mpa   | 120 min. |
| -                    | -    | -               | Elongation in %         | 10 min.  |
| -                    | -    | -               | Reduction of Area in %  | -        |
| -                    | -    | -               | Hardness in HBW         | 70 min.  |
| -                    | -    | -               | Impact in Joule         | -        |

| Cross Reference Table |          |                |                              |
|-----------------------|----------|----------------|------------------------------|
| Material              | Standard | Country        | Grade Belong to the Industry |
| CC752S                | UNI      | Italy          | Ingot and Casting            |
| CC752S                | UNE      | Spain          | Ingot and Casting            |
| CC752S                | CSN      | Czech Republic | Ingot and Casting            |
| CC752S                | BDS      | Bulgaria       | Ingot and Casting            |
| CC752S                | ONORM    | Australia      | Ingot and Casting            |
| CC752S                | PN       | Poland         | Ingot and Casting            |
| CC752S                | 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](mailto:marketing@gravitycastindia.com)**

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