

## Material: ONORM EN 1982 CuZn38Al-B

### Standard Specification for Copper and Copper Alloys - Ingots and Castings

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ONORM 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 %    | 0.100 - 0.800   | As-Cast                 |          |
| Iron                 | Fe %    | 0.400 max.      |                         |          |
| Manganese            | Mn %    | 0.400 max.      |                         |          |
| Nickel               | Ni %    | 0.800 max.      |                         |          |
| Phosphorus           | P %     | 0.050 max.      |                         |          |
| Lead                 | Pb %    | 0.100 max.      |                         |          |
| Silicon              | Si %    | 0.050 max.      |                         |          |
| Tin                  | Sn %    | 0.100 max.      |                         |          |
| Cu + Ni              | Cu%+Ni% | 59.000 - 64.000 | Mechanical Properties   |          |
| Zinc                 | Zn %    | Balance         | Tensile Strength in Mpa | 380 min. |
| -                    | -       | -               | Yield Strength in Mpa   | 130 min. |
| -                    | -       | -               | Elongation in %         | 30 min.  |
| -                    | -       | -               | Reduction of Area in %  | -        |
| -                    | -       | -               | Hardness in HB          | 75 min.  |
| -                    | -       | -               | Impact in Joule         | -        |

| Cross Reference Table |          |                |                              |
|-----------------------|----------|----------------|------------------------------|
| Material              | Standard | Country        | Grade Belong to the Industry |
| CC767S                | BS       | British        | Ingot and Casting            |
| 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            | EN       | European Union | Ingot and Casting            |
| CuZn38Al-B            | MSZ      | Hungary        | Ingot and Casting            |

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